

Update: 12/09/2025

Curriculum Vitae

Dimiter Bogdanov Avtanski, Ph.D.

Director, Gerald J. Friedman Diabetes Institute Research Laboratory, New York, New York
Professor of Medicine, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York
Investigator, Institute of Bioelectronic Medicine, Feinstein Institutes for Medical Research, Manhasset, New York

Contact Information and Profiles

Address: Gerald J. Friedman Diabetes Institute at Lenox Hill Hospital, Northwell Health
Division of Endocrinology
110 E 59th Street, 8th Floor, Room 837
New York, NY 10022

Phones: (work) +1 (212) 434-3552
(cell) +1 (646) 651-5874

Emails: (work) davtanski@northwell.edu
(personal) dimiter@avtanski.com

LinkedIn: www.linkedin.com/in/dimiter-avtanski

Publons: <https://publons.com/researcher/499587/dimiter-avtanski/>

Mendeley: www.mendeley.com/profiles/dimiter-avtanski/

Web of Science: W-6187-2018

ORCID: 0000-0002-4479-6448

Scopus: 9244136900

Academia: <https://northshorelij.academia.edu/DimiterAvtanski>

Short Bio

I am currently a Director of the Endocrine Research Laboratory at the Friedman Diabetes Institute of Lenox Hill Hospital in New York City, a Professor of Medicine at Donald and Barbara Zucker School of Medicine at Hofstra/Northwell in Hempstead, New York, and an Assistant Investigator at the Institute of Bioelectronic Medicine at the Feinstein Institutes for Medical Research in Manhasset, New York. I received my M.Sc. in Biology and Chemistry from Sofia University in Bulgaria and Ph.D. from the Bulgarian Academy of Sciences in collaboration with Beth Israel Medical Center at the Albert Einstein College of Medicine in New York City. I have specialized in Leipzig University, Germany, and have completed seven years of postdoctoral fellowships at the Johns Hopkins University School of Medicine in Baltimore, Maryland. My primary research focuses on the connection between obesity, diabetes, and breast cancer progression. I have authored 31 research articles, 17 review articles, and 5 book chapters, and have made 141 oral and poster presentations at international and national scientific meetings. I am also an editor of the Springer Nature books, *“Obesity, Diabetes, and Inflammation – Clinical Perspectives.”* And *“Adipose Tissue: Endocrine Functions, Health Implications, and Future Perspectives.”* I serve as an Associate Editor for the journals *Molecular Medicine*, *BMC Endocrine Disorders*, *Discover Oncology*, *Journal of Visualized Experiments (JoVE)*, and *World Journal of Diabetes*, and as an Editorial Board Member for several other scientific journals. I mentor rotating fellows from Lenox Hill Hospital, Hofstra University, Feinstein Institutes for Medical Research, and other schools.

Experience

- Endocrinology and Oncology basic science researcher with 25 years of experience
- Proficient in multiple biochemistry and molecular biology laboratory techniques
- Proficient in animal research and various surgical techniques
- Research laboratory director with experience in organizing day-to-day laboratory activities and managing staff
- Experienced in new laboratory design, setup, and laboratory certifications
- Experienced in grant applications
- Experienced in clinical research studies and IRB submissions
- Proficient scientific writing and presentation skills
- Involved in a variety of teaching activities for medical fellows, PhDs, college and high school students
- Journal editor and active peer reviewer

Education (Brief)

2011-2015	Post-Doctoral Fellowship , Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University, Baltimore, Maryland, USA
2008-2011	Post-Doctoral Fellowship , Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
2007	Ph.D. , Bulgarian Academy of Sciences, Sofia, Bulgaria and Beth Israel Medical Center, New York, USA
2000	M.Sc. , Sofia University, Sofia, Bulgaria

Professional Positions

2025-present	Professor of Medicine Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York, USA
2019-present	Assistant Investigator (2023-present) Assistant Professor (2019-2023) Institute of Bioelectronic Medicine, Feinstein Institutes for Medical Research, Manhasset, New York, USA
2019-2025	Associate Professor of Medicine Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York, USA
2015-2019	Assistant Professor of Medicine Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York, USA
2016-present	Director, Endocrine Research Laboratory Gerald J. Friedman Diabetes Institute, Lenox Hill Hospital, Northwell Health, New York, New York, USA
2015	Adjunct Assistant Professor Department of Reproductive Biotechnologies and Cryobiology of Gametes, Institute of Biology and Immunology of Reproduction "Acad. Kiril Bratanov", Bulgarian Academy of Sciences, Sofia, Bulgaria
2001-2010	Research Associate, 1st Degree (2008-2010) Research Associate, 3rd Degree (2002-2008)

Biologist Specialist (2001-2002)

Department of Immunoneuroendocrinology, Institute of Biology and Immunology of Reproduction
 "Acad. Kiril Bratanov", Bulgarian Academy of Sciences, Sofia, Bulgaria

Education (Extended)

2011-2015	Post-Doctoral Fellow Department of Oncology, Breast Cancer Program, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, Baltimore, Maryland, USA Research project: <i>"Role of adipocytokines in initiation and progression of breast cancer"</i> Mentor: Prof. Dipali Sharma, Ph.D.
2008-2011	Post-Doctoral Fellow Division of Endocrinology and Metabolism, Department of Pediatrics, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA Research project: <i>"Role of estrogens on somatotroph hormonal production"</i> Mentor: Prof. Sally Radovick, M.D.
2007	Ph.D. (Physiology, Pathophysiology, and Pharmacology) Collaboration between the Institute of Biology and Immunology of Reproduction at the Bulgarian Academy of Sciences, Sofia, Bulgaria and the Department of Endocrinology and Metabolism at Beth Israel Medical Center, Albert Einstein College of Medicine, New York, New York, USA Dissertation thesis: <i>"Role of peroxisome proliferator-activated receptor-γ (PPARγ) in the human ovary"</i> Mentors: Prof. Leonid Poretsky, M.D., Assoc. Prof. Donna Seto-Young, Ph.D., Assoc. Prof. Rossitza Konakchieva, Ph.D.
2000-2001	Visiting Scientist Institute of Anatomy, Faculty of Medicine, University of Leipzig, Leipzig, Germany Research project: <i>"Ovarian macrophages as neuroendocrine cells in the ovarian cycle"</i> Mentor: Prof. Katharina Spanel-Borowski, M.D.
2000	M.Sc. (Biology and Chemistry) Sofia University, Sofia, Bulgaria Master theses: <ul style="list-style-type: none"> 1) <i>"Steroidogenic function of the Muscovy duck ovary (Cairina moschata, L.)"</i>, Department of Cell Biology, Histology, and Embryology, Faculty of Biology Mentor: Assoc. Prof. Vesselin Penkov, Ph.D. 2) <i>"Model of educational software: Nitrogen cycle in nature"</i>, Department of Methodology of Biology Education and Department of Methodology of Chemistry Education, Faculty of Biology and Faculty of Chemistry Mentor: Assoc. Prof. Natalia Tzanova, Ph.D.

Research Support

2022-2024	Effects of synthetic mono-carbonyl curcumin analogues on diabetes via modulation of oxidative stress and inflammation Sponsor: Lenox Hill Hospital and MEETH Research Award, Donald and Barbara Zucker grant Role: Principal Investigator
2021-2023	Role of irisin in human reproduction Sponsor: Lenox Hill Hospital and MEETH Research Award, Donald and Barbara Zucker grant Role: Co-Investigator
2021-2022	Investigation of the molecular mechanisms by which hypoxia modulates cytokine secretion in breast cancer cells

	Sponsor: Lenox Hill Hospital and MEETH Research Award, Donald and Barbara Zucker grant Role: Principal Investigator
2019-2020	Role of hypoxia in modulating cytokine secretion in breast cancer cells Sponsor: Gerald J. and Dorothy R. Friedman New York Foundation for Medical Research, Gerald J. Friedman Diabetes Institute Role: Principal Investigator
2019-2021	Role of inflammatory cytokines in affecting the outcome from <i>in vitro</i> fertilization procedure Sponsor: Michael Kors Research Innovations Grant, Katz Institute for Women's Health, Northwell Health Role: Principal Investigator
2019-2020	Transgender health aging study and registry Sponsor: Empire Clinical Research Investigator program (ECRIP), New York State Department of Health Role: Mentor
2017-2020	Role of resistin in obesity-induced insulin resistance Sponsor: Gerald J. and Dorothy R. Friedman New York Foundation for Medical Research, Gerald J. Friedman Diabetes Institute Role: Principal Investigator
2017-2019	Reproductive effects of irisin Sponsor: Gerald J. and Dorothy R. Friedman New York Foundation for Medical Research, Gerald J. Friedman Diabetes Institute Role: Sub-Investigator
2017-2018	Advanced glycation end-products (AGEs) and cardio-vascular complications in patients with diabetes Sponsor: Gerald J. and Dorothy R. Friedman New York Foundation for Medical Research, Gerald J. Friedman Diabetes Institute Role: Sub-Investigator
2017-2019	Obesity as a multifactorial disease: energy metabolism, insulin resistance, microbiome and endoscopic bariatric intervention in human obesity Sponsor: Empire Clinical Research Investigator program (ECRIP), New York State Department of Health Role: Mentor

Research Involving Human (IRB) and Animal (IACUC) Subjects

2025	Intraoperative parathyroid gland autofluorescence: Identification of an intrinsic fluorophore for optimal infusion-free imaging Northwell Health IRB, Study ID: 25-0381-LHH Role: Co-Investigator
2024	Investigating the impact of irisin on female reproduction and steroid expression in mice Northwell Health IRB, Study ID: 24-0397-CCP Role: PI Designee
2023	Weight and metabolism in transgender people on hormone therapy Northwell Health IRB, Study ID: 23-0663-NHPP Role: Co-Investigator
2020	Multidisciplinary research study to examine cardiovascular and bone density health in transgender individuals Northwell Health IRB, Study ID: 20-1106-NHPP

	Role: Co-Investigator
2020	The role of irisin and other cytokines in ovarian physiology Northwell Health IRB, Study ID: 20-0449-NHPP
	Role: Co-Investigator
2017	Evaluating serum concentrations of advanced glycation end-products as a predictor of coronary artery disease Northwell Health IRB, Study ID: 17-0676-LHH
	Role: Co-Investigator
2017	Evaluation of the pathophysiological defects in patients with and without irritable bowel syndrome (IBS) and small intestinal bacterial overgrowth (SIBO) Northwell Health IRB, Study ID: 17-0274-LHH
	Role: Co-Investigator
2016	Role of CAP1 in mediating resistin action in obesity-induced insulin resistance Northwell Health IRB, Study ID: 16-772-LHH
	Role: Principal Investigator
2016	The effects of structured outpatient diabetes program on the hospital readmission rates in patients with diabetes (SODP-HRAR) Northwell Health IRB, Study ID: HS16-0156-NS
	Role: Co-Investigator

Professional Service

Committees Roles

2025	Advisory Board Member <i>Kern National Network (KNN)</i> Northwell Health
2025	Selection Committee Member <i>Katz Institute for Women's Health Grant Program</i> Katz Institute for Women's Health, Northwell Health, New Hyde Park, New York
2022-present	Selection Committee Member <i>MD/PhD candidate selection</i> Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York
2021-present	Executive Committee Member <i>Limited Submission Grants</i> Northwell Health, New York
2019-present	Selection Committee Member <i>Summer Research Program 2020</i> Feinstein Institutes for Medical Research, Manhasset, New York
2018-present	Advisory Board Member <i>Elsevier</i>
2016-present	Program Evaluation Committee Member <i>Endocrine Fellowship Program Evaluation Committee (PEC)</i> Lenox Hill Hospital, Northwell Health, New York, New York
2008-2009	Vice President Head of International Committee <i>Johns Hopkins Post-Doctoral Association (JHPDA)</i>

Johns Hopkins University, Baltimore, Maryland

Grant Reviews

2025	Grant Reviewer <i>Katz Institute for Women's Health (KIWH) Innovation Grant Program 2025</i> , Northwell Health
2024	Grant Reviewer <i>Swiss National Science Foundation</i>
2022	Grant Reviewer <i>Limited Submission Grants</i> Women's Manhasset Coalition Against Breast Cancer (WMCABC), Northwell Health

Leadership and Event Organization

2025	Webinar Organizer and Session Chair Webinar: "Nutrition, adipose tissue, and human health" Host: <i>Nutrients</i> (MDPI) May 23 rd , 2025, Virtual https://sciforum.net/event/Nutrients-20?section=#program
------	--

Conference Reviewing and Judging

2025	Abstract Reviewer <i>The Endocrine Society's 107th Annual Meeting & Expo (ENDO) 2025</i> July 12 th -15 th , 2025, San Francisco, California https://www.endocrine.org/meetings-and-events/endo-2025
2025	Poster Judge <i>2025 Academic Day – Academic Competition and Research Symposium</i> Donald and Barbara Zucker School of Medicine at Hofstra/Northwell May 28 th , 2025, Hempstead, New York
2025	Abstract and Poster Judge <i>WAC Lighting Foundation Invitational Science Fair 2025</i> Roslyn High School April 27 th , 2025, Roslyn Heights, New York https://www.theresearchassociation.org/a-message-from-wac-lighting
2025	Abstract Judge <i>2025 Academic Competition and Research Symposium</i> Donald and Barbara Zucker School of Medicine at Hofstra/Northwell May 28 th , 2025, Hempstead, New York
2025	Abstract and Presentation Judge <i>2025 Meical Marvels Competition</i> The Feinstein Institutes for Medical Research February 28 th , 2025, Manhasset, New York https://feinstein.northwell.edu/medical-marvels
2024	Abstract Judge <i>2024 Academic Competition and Research Symposium</i> Donald and Barbara Zucker School of Medicine at Hofstra/Northwell June 5 th , 2024, Hempstead, New York https://academicworks.medicine.hofstra.edu/academic_competition/2024/
2024	Abstract Reviewer <i>The Endocrine Society's 106th Annual Meeting & Expo (ENDO) 2024</i>

June 1st-4th, 2024, Boston, Massachusetts
<https://www.endocrine.org/meetings-and-events/endo-2024>

2024 **Poster Judge**
WAC Lighting Foundation Invitational Science Fair 2024
 April 14th, 2024, Syosset High School, Syosset, New York
<https://www.theresearchassociation.org/a-message-from-wac-lighting>

2023 **Abstract Reviewer**
The Endocrine Society's 105th Annual Meeting & Expo (ENDO) 2023
 June 15th-18th, 2023, Chicago, Illinois
<https://www.endocrine.org/meetings-and-events/endo2023>

2023 **Abstract Judge**
2023 Academic Competition and Research Symposium
 Donald and Barbara Zucker School of Medicine at Hofstra/Northwell
 May 31st, 2023, Hempstead, New York
https://academicworks.medicine.hofstra.edu/academic_competition/2023

2023 **Abstract and Poster Judge**
WAC Lighting Foundation Invitational Science Fair 2023
 April 23rd, 2023, New York, New York
<https://sites.google.com/view/the-research-association/home>

2022 **Abstract Judge**
2022 Academic Competition and Research Symposium
 Donald and Barbara Zucker School of Medicine at Hofstra/Northwell
 June 1st, 2022, Hempstead, New York
https://academicworks.medicine.hofstra.edu/academic_competition/2022/

2022 **Poster Judge**
The National Spine & Pain Centers (NSPC) Brain & Spine Surgery Health Science Competition
 April 2022, Virtual
<https://nspc.com/wp-content/uploads/2023/01/NSPC-Winter-2022-Practice-Newsletter-Approved-Version-31.0.pdf>

2022 **Poster Judge**
New York State Science and Engineering Fair (NYSSEF) Regeneron Division 2022
 March 28th, 2022, New York Hall of Science, New York, New York
<https://www.nyssef.org/>

2022 **Abstract Reviewer**
The Endocrine Society's 104th Annual Meeting & Expo (ENDO) 2022
 June 11th-14th, 2022, Atlanta, Georgia
<https://endo2022.endocrine.org/>

2022 **Abstract Judge**
WAC Lighting Foundation Invitational Science Fair 2022
 April 3rd, 2022, Virtual
<https://waclighting.com/giving-back/>

2021 **Abstract Judge**
WAC Lighting Foundation Invitational Science Fair 2021
 May 2021, Virtual
<https://waclighting.com/giving-back/>

2021 **Abstract and Poster Judge**
2021 Academic Competition & Research Symposium

	Donald and Barbara Zucker School of Medicine at Hofstra/Northwell June 2 nd , 2021, Virtual https://academicworks.medicine.hofstra.edu/academic_competition/2021/
2021	Abstract Reviewer <i>The Endocrine Society's 104th Annual Meeting and Expo (ENDO) 2021</i> March 20 th -23 th , 2021, Virtual https://www.endocrine.org/meetings-and-events/endo2021/schedule-at-a-glance
2020	Abstract Judge <i>2020 Academic Competition & Research Symposium Awards Day: The 55th Annual Academic Competition and The 15th Annual Teachers of the Year</i> Donald and Barbara Zucker School of Medicine at Hofstra/Northwell June 3 rd , 2020, Virtual https://academicworks.medicine.hofstra.edu/academic_competition/2020/
2020	Abstract Judge <i>WAC Lighting Foundation Invitational Science Fair</i> Jericho High School, Jericho, New York, * Due to COVID-19 crisis, the event was cancelled.
2019	Mentor and Poster Judge <i>Mentoring and Poster Reception, The Endocrine Society's 101st Annual Meeting and Expo (ENDO) 2019</i> March 24 th , 2019, New Orleans, Louisiana https://www.endocrine.org/endo/endo2019
2018	Poster Judge <i>Mentoring and Poster Reception, The Endocrine Society's 100th Annual Meeting and Expo (ENDO) 2018</i> March 18 th , 2018, Chicago, Illinois

Memberships in Professional Organizations

2024-present	Katz Institute for Women's Health (KIWH)
2022-present	Northwell Health Cancer Institute (NHCI)
2019-present	New York Academy of Sciences (NYAS)
2019-present	International Cytokine & Interferon Society (ICIS)
2018-present	European Society of Human Reproduction and Embryology (ESHRE)
2017-present	American Diabetes Association (ADA)
2012-present	American Association for Cancer Research (AACR)
2008-present	Johns Hopkins Post-Doctoral Association (JHPDA)
2004-present	The Endocrine Society (ENDO)

Teaching Activities

Programs

2025-present	CCNY DSE Capstone Project/Thesis Class (I9800/I9900) <i>City College of New York</i> Role: Mentor
2023-present	Packer's Independent Science Research Program <i>The Packer Collegiate Institute, Brooklyn, New York</i> Role: Research Mentor Description: Research program for 10 th -12 th grade students from The Packer Collegiate Institute. https://www.packer.edu/academics/upper-school/independent-science-research-program

2022	<p>New York Academy of Sciences Afterschool STEM Mentoring Program (ASMP) <i>P.S. 002 Meyer London School, Manhattan, New York</i> Role: Science Mentor Description: In partnership with the NYC Department of Youth and Community Development (DYCD), this program brings in research fellows, undergraduate, and graduate students, postdocs, transitional scientists, or R&D specialists to teach one-hour sessions twice a week in afterschool sites around New York City.</p>
2021-present	<p>Senior Experience Internship Program <i>Bergen County Academies (BCA), Hackensack, New Jersey</i> Description: Internship program for BCA students.</p>
2019-present	<p>Summer Research Program <i>Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York</i> Role: Mentor Description: Summer research elective rotation program for first year medical students.</p>
2018-present	<p>Medical Scholars Pipeline Program (MSPP) <i>Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York</i> Role: Facilitator Description: The MSPP provides an educational pathway for underrepresented in medicine (URM) students from the five boroughs of New York City, Nassau County, and Suffolk County, New York to enter the healthcare professions. The MSPP works collaboratively with the Gateway Institute for Pre-College Education at The City College of New York to recruit and support URM students in their higher education goals and pursuit of health careers. The program serves high school students who are rising juniors, rising seniors, and rising college freshmen.</p>
2018-present	<p>Endocrinology Basic Science Research Elective <i>Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York</i> Role: Mentor Description: Created an elective course (4276: Endocrinology Basic Science Research) for 4th year medical students at Hofstra University.</p>
2017-present	<p>Basic Science Research Rotation <i>Lenox Hill Hospital, Northwell Health, New York, New York</i> Role: Mentor Description: Developed a research rotation for second year medical fellows at the Division of Endocrinology at Lenox Hill Hospital, Northwell Health.</p>
2017-present	<p>Feinstein Institutes Summer Intern Program <i>The Feinstein Institutes for Medical Research, Manhasset, New York</i> Role: Mentor Description: Summer research program for high school and college students.</p>
2010	<p>7th Framework Program of the European Union <i>Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Sofia, Bulgaria</i> Role: Lecturer Description: Developed and lectured methodological seminar “Quantitative RT-PCR analysis – opportunities, advantages, and uses in reproductive biology” under the 7th Framework Program of the European Union “Unlocking and development the research potential in the EU’s convergence and outermost regions”; Project # FP-7-REGPOT-2009-1.</p>
2010-2012	<p>Bulgarian Academy of Sciences teaching activities</p>

Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Sofia, Bulgaria

Role: Lecturer and Research Associate

Description: Developed various teaching activities under the 7th Framework Program of the European Union “Unlocking and development the research potential in the EU’s convergence and outermost regions”; Project: “Reinforcement of the research capacity of the Bulgarian Institute of Biology and Immunology of Reproduction”; Project # FP-7-REGPOT-2009-1.

1999-2004

Teacher in Biology and Chemistry

Professional Technical High School of Electronics “John Atanasoff”, Sofia, Bulgaria

Role: Teacher

Description: Taught Biology and Chemistry classes to 8th, 9th, 10th, and 11th grade students.

PhD Dissertations Reviewer/Independent Expert Opinion

2025

Julia Ilievna

PhD Dissertation Title: “Role of Autophagy and Inflammasome Pathways in Endothelial Damage Triggered by Extracellular DNA Traps”

Laboratory of OMICS Technologies, Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Sofia, Bulgaria

MSc Thesis Defense Committee Member

2023

Sara Velichkovikj

Department of Biology, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, North Macedonia

2022

Radoslav Stojchevski

Department of Biology, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, North Macedonia

Mentorship

Friedman Diabetes Institute at Lenox Hill Hospital

08/2025-09/2025

Artjola Meli, CCNY DSE Capstone Project/Thesis Class (19800 / 19900), City College of New York

04/2025

Rachel Josselsohn, MD/PhD Student, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York

03/2025-present

Anabel Cárcia Corral, MD, Feinstein Institutes Visiting Scientist, Manhasset, New York

10/2024-05/2025

Edward Sutanto, Feinstein Institutes Summer Visiting Scholar, Manhasset, New York

11/2024-05/2025

Lilly Kisseur, Feinstein Institute Summer Intern, The Packer’s Collegiate Institute, Brooklyn, New York

07/2024-08/2024

Ellis Rosenberg, Feinstein Institutes Summer Intern, Portledge High School, Locust Valley, New York

05/2024-06/2024

Elitsa Pavlova, PhD, Fulbright Scholar, Sofia University, Sofia, Bulgaria

01/2024-08/2024

Lilly Kisseur, Feinstein Institute Summer Intern, The Packer’s Collegiate Institute, Brooklyn, New York

08/2023-09/2023

Isabella Sabato, MD, Medical Student Rotation

08/2023-09/2023

Shivali Devjani, MD, Medical Student Rotation

07/2023-08/2023

David Abelev, Volunteer, Hewlett High School, Hewlett, New York

06/2023-08/2023

Erin Yim, Feinstein Institutes Summer Intern; Cornell University, Ithaca, New York

09/2022-07/2023

Aaron Lavi, Brooklyn College, New York, New York

07/2022-08/2023

Lizi Tedorashvili, Hunter College, New York, New York

07/2022-08/2022

Udithi Kothapalli, Feinstein Institutes Summer Visiting Scholar, Carnegie Mellon University, Pittsburgh, Pennsylvania

07/2022-08/2022	Ethan Abelev , Feinstein Institutes Summer Visiting Scholar, Geroge W. Hewlett High School, Hewlett, New York
07/2022-08/2022	Bianca Cinquemani , Feintein Institutes Summer Visiting Scholar, Manhasset High School, Manhasset, New York
02/2022	Paria Zarghamravanbakhsh, MD , Endocrinology Fellow, Friedman Diabetes Institute, Lenox Hill Hospital, New York, New York
10/2021	Dmitri Zbarsky, MD , Visiting Scholar, Tel Aviv Sourasky Medical Center-Ichilov, Tel Aviv, Israel
09/2021-05/2022	Harnoor Sachar , Intern, Bergen County Academies Senior Experience Program, Bergen County Academies (BCA), Hackensack, New Jersey
08/2021-12/2021	Elitsa Pavlova, PhD , Fulbright Scholar, Sofia University, Sofia, Bulgaria
07/2021-08/2021	Hannah Son , Visiting Scholar, College of Human Ecology, Cornell University, Ithaca, New York
07/2021-08/2021	Ethan Abelev , Visiting Scholar, George W. Hewlett High School, Hewlett, New York
07/2021-08/2021	Khaled Alqahtani , Feinstein Institute Summer Intern, College of Letters and Sciences, UC Berkeley, Berkeley, California
04/2021	Swetha Murthi, MD , Fellow, Friedman Diabetes Institute at Lenox Hill Hospital, Northwell Health, New York, New York
11/2020-present	Radoslav Stojchevski, BSc , Friedman Fellow, Division of Endocrinology, Lenox Hill Hospital, Northwell Health, New York, New York; Ss. Cyril and Methodius University, Skopje, North Macedonia
11/2020	Micheal Frenkel, BSc , Tufts University, Medford, Massachusetts
11/2020 (program canceled)	Renee Murray-Bachmann, EdD, MSN, CDN, RN, CDE, CPT , Northwell Health, New York, New York
(program cancelled)	Madison Fraser , Hofstra Summer Program, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York – Student accepted but Hofstra Summer Program-2020 was cancelled due to the COVID-19 crisis
(program canceled)	Udithi Kothapalli , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Sophomore at St. Anthony's High School, South Huntington, New York; current position: student at Carnegie Mellon University – Student accepted but Hofstra Summer Program-2020 was cancelled due to the COVID-19 crisis
(program canceled)	Khaled Alqahtani , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; College of Letters and Sciences, UC Berkeley, Berkeley, California – Student accepted but Hofstra Summer Program-2020 was cancelled due to the COVID-19 crisis
(program canceled)	Marin Yamaguchi , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; The Birch Wathen Lenox School, New York, New York – Student accepted but Hofstra Summer Program-2020 was cancelled due to the COVID-19 crisis
06/2019-08/2019	Udithi Kothapalli , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, NY; Sophomore at St. Anthony's High School, South Huntington, New York; current position: student at Carnegie Mellon University
06/2019-08/2019	Leo Satloff , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Ethical Culture Fieldston School, New York, New York; currently a student at Emory University College of Arts and Sciences
06/2019-08/2019	Noah Ziluck , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Irvington High School, Irvington, New York
06/2019-08/2019	Maribel Lema , Hofstra Summer Program, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York
05/2019-06/2019	Damian Inlall , Clinical Research Supervisor at Gerald J. Friedman Diabetes Institute at Lenox Hill Hospital, Northwell Health, New York, New York
09/2018-09/2019	Karin Chen, MD , New York State Department of Health Empire Clinical Research Investigator Program (ECRIP) Fellow; Gerald J. Friedman Diabetes Institute, New York, New York
07/2018-08/2018	Aaron B. Lavi , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; North Shore Hebrew Academy Middle School, Great Neck, New York; currently a student at Brooklyn College, Brooklyn, New York
06/2018-10/2018	Rebecca Jonas, MD , Lenox Hill Hospital, Northwell Health, New York, New York

06/2018-08/2018	Leo Satloff , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Sophomore at Ethical Culture Fieldston School, New York, New York
05/2018-07/2018	Kajol Bahl, BSc , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Binghamton University, State University of New York, New York, New York
05/2018-07/2018	Melanie Kaiser, BA , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Case Western Reserve University, Cleveland, Ohio
05/2018-10/2018	Daniel K. Weber , Visiting Scholar, Feinstein Summer Research Program, Feinstein Institutes for Medical Research, Manhasset, New York; Torah Academy of Bergen County, Teaneck, New Jersey; currently a student at Johns Hopkins University, Baltimore, Maryland
06/2018-08/2018	Awlad Bhuiyan, BSc , Visiting Scholar, Ross University School of Medicine, Portsmouth, Dominica
02/2018-08/2018	Mikail J. Koroma, MD , New York State Department of Health Empire Clinical Research Investigator Program (ECRIP) Fellow; Gerald J. Friedman Diabetes Institute, New York, New York; Georgetown University, Washington, District of Columbia
09/2017-04/2018	Beatriz C. Caraballo, MD , Visiting Scientist, University of Carabobo, Maracay, Venezuela
09/2017-03/2018	Priyanthan Thangeswaran, MD , Visiting Scholar, Tianjin Medical University, Tianjin, China
08/2017	Sahej Chohan , Medical Pipeline High School Student, Thomas A. Edison Career and Technical Education High School, Jamaica, New York
07/2017-08/2017	Sela Marin , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Columbia Grammar and Preparatory School, New York, New York; currently a student at Johns Hopkins University, Baltimore, Maryland
07/2017-08-2017	Aaron B. Lavi , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; North Shore Hebrew Academy High School, Great Neck, New York; currently a student at Brooklyn College, Brooklyn, New York
07/2017-08/2017	Julianne Bianco , Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Syosset High School, Syosset, New York
05/2017-08/2017	Christopher Ronca, BSc , Visiting Scholar, Columbia University, New York, New York
05/2017-06/2017	Miroslava Varadinova, MD , Visiting Scholar, Medical University – Sofia, Sofia, Bulgaria
02/2017-02/2018	Anabel Garcia Corral , Gerald J. Friedman Research Fellow, Universidad Del Valle de Mexico, Hermosillo, Sonora, Mexico
12/2016-07/2017	Valeriia M. Shnayder, MD , Visiting Scientist, St. Petersburg First Pavlov State Medical University, St. Petersburg, Russia

Johns Hopkins University

2015	Brian Meyers , Summer Student, CMM Program, Johns Hopkins University, Baltimore, Maryland
2014	Brandi Temple , Summer Student, Summer Internship Program at Xavier University of Louisiana, New Orleans, Louisiana
2014	Yaireen D. Guzman Avocoh , Summer Student, CUPID Summer Fellowship Program at University of Puerto Rico, San Juan, Puerto Rico
2013	Timmothy Tiutan , Summer Student, CUPID Summer Student Research Program at University of Arizona College of Medicine, Tucson, Arizona
2013	Maran Palaniappan , Summer Student, Johns Hopkins University, Baltimore, Maryland
2013	Kabir Chhabra , Summer Student, Johns Hopkins University, Baltimore, Maryland
2011	Estefania Zapata-Rodriguez , Summer Student, STEPUP Program, NIDDK, University of Puerto Rico, Mayagüez, Puerto Rico

Beth Israel Medical Center

2004-2008	Training of research fellows, residents, and summer research students in the Endocrinology Research Laboratory at Beth Israel Medical Center, Albert Einstein College of Medicine, New York, New York
-----------	---

Editorial Activities

Editor Positions

2024-present	Associate Editor <i>Discover Oncology</i> (Springer Nature) https://link.springer.com/journal/12672/editorial-board
2020-present	Associate Editor <i>BMC Endocrine Disorders</i> (BMC/Springer Nature) https://bmcentocdisord.biomedcentral.com/about/editorial-board
2018-present	Associate Editor <i>Molecular Medicine</i> (BMC/Springer Nature) https://molmed.biomedcentral.com/about/editorial-board
2022-present	Review Editor <i>Frontiers in Oncology</i> (Frontiers) Specialty Section: "Molecular and Cellular Oncology" https://loop.frontiersin.org/people/498054/overview
2018-2020	Handling Editor <i>Annals of Medical and Clinical Oncology</i> (Gavin Publishers)

Guest Editor Positions

2025-present	Guest Editor <i>Frontiers of Oncology</i> (Frontiers) Section "Breast Cancer", Article Collection "Cytokine Signaling Dynamics in Breast Cancer: From Tumor Initiation to Progression and Therapy Resistance"
2025-present	Guest Editor <i>Academia Oncology</i> (Academia) Section "Cancer Epidemiology and Prevention", Special Issue: "The Metabolic Roots of Cancer: Intersections of Obesity, Diabetes, and Tumorigenesis" https://www.academia.edu/journals/academia-oncology/special-issues/1091/The-Metabolic-Roots-of-Cancer-Intersections-of-Obesity-Diabetes-and-Tumorigenesis
2025-present	Topic Editor <i>Frontiers in Immunology</i> (Frontiers) Research Topic: "Autophagy-Mediated Immune System Regulation in the Reproductive System" Co-Editors: Soren Hayrabedian, Eytan Barnea https://www.frontiersin.org/research-topics/68486/autophagy-mediated-immune-system-regulation-in-the-reproductive-system
2024-present	Guest Editor <i>International Journal of Molecular Sciences</i> (MDPI) Special Issue: "Lipidomics and Lipid Metabolism in Health and Disease" https://www.mdpi.com/journal/ijms/special_issues/R9X9EQJ17Q
2024-present	Guest Editor <i>Nutrients</i> (MDPI) Special Issue: "Nutrition, Adipose Tissue, and Human Health" https://www.mdpi.com/journal/nutrients/special_issues/FYL517DXH6
2023-2024	Guest Editor <i>Molecular Medicine</i> (BMC, Springer Nature) Article Collection: "Evolutionary Aspects of Metabolic Diseases" https://www.biomedcentral.com/collections/EAMDMOME

2023-present	Guest Editor <i>Cancers</i> (MDPI) Article collection: "Multi-Omics Analysis in the Study of Carcinogenesis" https://www.mdpi.com/journal/cancers/special_issues/3TIGPKAAEE
2023-2024	Guest Editor <i>Frontiers in Oncology</i> (Frontiers) Research Topic: "Cytokines, Inflammation, and Cancer"
2023-2024	Guest Editor <i>Cancers</i> (MDPI) Special issue: "Overcoming Drug Resistance to Systemic Therapy in Breast Cancer" Co-Editor: Nethaji Muniraj https://www.mdpi.com/journal/cancers/special_issues/W437V6974H
2022-2023	Guest Editor <i>Cancers</i> (MDPI) Special issue: "Polyphenols in Cancer Treatment" Co-Editors: Sonali Sengupta, Marcos Roberto de Oliveira https://www.mdpi.com/journal/cancers/special_issues/5IV9YG3YI8
2022-2023	Guest Editor <i>Life</i> (MDPI) Special issue: "Connections Among Obesity, Diabetes, Steroidogenesis, and Carcinogenesis" https://www.mdpi.com/journal/life/special_issues/884SRVS13P
2022-present	Guest Editor <i>BMC Endocrine Disorders</i> (BMC/Springer Nature) Article collection: "Cellular and Molecular Therapies and Mechanisms of Endocrine Disorders" Co-Editor: Ramkumar Mohan https://www.biomedcentral.com/collections/CMTMED
2020	Guest Editor <i>Journal of Visualized Experiments</i> (JoVE) Methods Collection "Methods in Endocrine Metabolism" Co-Editors: Sumit Sidharth, Nethaji Muniraj https://www.jove.com/methods-collections/731
2018	Section Editor <i>Journal of Food Science and Nutrition Research</i> (Fortune Journals)

Editorial Board Positions

2025-present	Editorial Board Member <i>Academia Oncology</i> (Academia) https://www.academia.edu/journals/academia-oncology/about/editorial-board
2024-present	Editorial Board Member <i>Discover Oncology</i> (Springer Nature) https://link.springer.com/journal/12672/editorial-board
2024-present	Editorial Board Member <i>Scientific Reports</i> (Elsevier) https://www.nature.com/srep/about/editors
2024-present	Editorial Board Member <i>Biomedical Reports</i> (Spandidos Publications)
2024-present	Topical Advisory Panel Member

International Journal of Molecular Sciences (MDPI)
https://www.mdpi.com/journal/ijms/topical_advisory_panel?search=avtanski

2022-present	Editorial Board Member <i>Frontiers in Oncology</i> (Frontiers)
2021-present	Editorial Team Member <i>Cancer Diagnosis and Treatment</i> (SciMedicine) https://scimedjournal.org/index.php/SMJ/about/editorialTeam
2021-present	Topical Advisory Panel Member <i>Cancers</i> (MDPI) https://www.mdpi.com/journal/cancers/topic_editors
2020-present	Editorial Board Member <i>European Journal of Experimental Biology</i> (Insight Medical Publishing) https://www.imedpub.com/european-journal-of-experimental-biology/editors.php
2020-present	Editorial Board Member <i>Microorganisms</i> (MDPI)
2020-present	Editorial Board Member <i>SciMedicine Journal</i> (ITAL Publication)
2020-present	Editorial Board Member <i>Biomedical Reports</i> (Spandidos Publications)
2020-present	Editorial Board Member <i>Endocrine Disorders</i> (BMC, Springer Nature)
2020-present	Editorial Board Member <i>Healthcare</i> (MDPI)
2018-present	Editorial Board Member <i>International Journal of Clinical Oncology and Cancer Research</i> (Science Publishing Group)
2018-present	Editorial Board Member <i>Molecular Medicine Letters</i> (Gratis Open Access Publishers)
2018-present	Editorial Board Member <i>World Journal of Diabetes</i> (Baishideng Publishing Group)

Editor Assignments

Total number:	783
Number of journals:	9
List of journals:	<i>Molecular Medicine</i> (BMC Springer Nature) <i>BMC Endocrine Disorders</i> (BMC Springer Nature) <i>Discover Oncology</i> (BMC Springer Nature) <i>Cancers</i> (MDPI) <i>Life</i> (MDPI) <i>Nutrients</i> (MDPI) <i>Journal of Diabetes and Clinical Research</i> (Scientific Archives LLC) <i>Journal of Food Science and Nutrition Research</i> (Fortune Journals) <i>Annals of Medical and Clinical Oncology</i> (Gavin Publishers)

Journal Peer Reviews

Total number:	600+
Number of journals:	82
List of journals:	<i>Oncogene</i> (Nature Publishing Group), IF (2014): 8.459

Cancer Letters (Elsevier), IF (2019): 7.360
Oncotarget (Impact Journals LLC), IF (2014): 6.359
Metabolism, Clinical and Experimental (Elsevier), IF (2017): 5.777
Molecular Medicine (The Feinstein Institute for Medical Research), IF (2013): 4.824
Journal of Endocrinology (Bioscientifica Ltd.): 4.041
Endocrine (Springer Nature), IF (2014): 3.878
Nutrition, Metabolism & Cardiovascular Diseases (Elsevier), IF (2015/2016): 3.630
Journal of Pharmacy and Pharmacology (Wiley-Blackwell, Royal Pharmaceutical Society of Great Britain), IF (2014): 2.264
Bioelectronic Medicine (Springer Nature)
Cell Biology and Toxicology (Springer Nature)
Biomedicine & Pharmacotherapy (Elsevier)
Cells (MDPI)
Cardiovascular & Hematological Disorders – Drug Targets (Betham Science)
Current Nanomaterials (Bentham Science)
Endocrine, Metabolic & Immune Disorders – Drug Targets (Bentham Science), IF (2017): 1.897
World Journal of Diabetes (Baishideng Publishing Group)
International Journal of Plant Biology & Research (JSciMed Central)
Advances in Environmental Studies (Scholarity Pages)
Current Bioactive Compounds (Bentham Science)
International Journal of Women's Health and Wellness (ClinMed International Library)
World Journal of Clinical Cases (Baishideng Publishing Group)
Medical Science Monitor (International Scientific Information)
Current Drug Delivery (Bentham Science Publishing)
Biomedical and Pharmacology Journal (Oriental Scientific Publishing Company)
Current Bioactive Compounds (Bentham Science Publishers)
Oncology Letters (Spandidos Publications)
Nutrients (MDPI)
Endocrine, Metabolic & Immune Disorders–Drug Targets (Bentham Science Publishers)
International Journal of Molecular Sciences (MDPI), IF (2018) = 4.183
Cancer Management and Research (Dove Medical Press Ltd.)
International Journal of Diabetes and Clinical Research
International Journal of Plant Biology & Research (JSciMed Central)
Molecular Medicine Reports (Spandidos Publications)
World Journal of Stem Cells (Baishideng Publishing Group)
3 Biotech (SpringerOpen)
Archives of Microbiology (Springer Nature)
Cancers (MDPI)
Experimental and Therapeutic Medicine (Spandidos Publications)
Inorganic Chemistry Communications (Elsevier)
Journal of Basic Microbiology (Wiley)
Journal of Cancer (Ivyspring International Publisher)
Journal of Cancer Treatment & Diagnosis
Molecular and Clinical Oncology (Spandidos Publications)
OncoTargets and Therapy (Dove Medical Press Ltd.)
Open Biology (The Royal Society)
World Journal of Clinical Oncology
Aging (Impact Journals LLC)
American Journal of Case Reports (International Scientific Information)
Annals of Gynecology and Obstetrics
Biomolecules (MDPI)
Cancer Biomarkers (IOS Press)
Cancer Research and Cellular Therapeutics

Clinical Oncology Research and Reports
Clinical Research: Open Access
Frontiers in Oncology (Frontiers)
International Journal of Cancer (Wiley)
International Journal of Environmental Research and Public Health (MDPI)
International Journal of Experimental Pathology (Wiley)
International Journal of Oncology (Spandidos Publications)
International Journal of Women's Health and Wellness (ClinMed International Library)
Journal of Cancer Research and Therapeutics (Medknow Publications)
Journal of Cancer Science and Research (OMICS Publishing Group)
Journal of Clinical Case Studies
Journal of Clinical Medicine (MDPI)
Journal of Food Science and Nutrition (Herald Open Access)
Journal of Investigative Medicine (BMJ Publishing Group)
Journal of Network Medicine and Targeted Therapies
Journal of Pharmacy and Pharmacology (Wiley)
Mini-Reviews in Medicinal Chemistry (Bentham Science Publishers)
Oncology Reports (Spandidos Publications)
World Journal of Cardiology (Baishideng Publishing Group)
World Journal of Gastroenterology (Baishideng Publishing Group)
World Journal of Meta-analysis
Current Research in Nutrition and Food Science
Etc.

Book Chapter Peer Reviews

Total number: 1
 2020 Regulation of the menstrual cycle. In *Understanding, managing and treating female infertility with Chinese medicine*, STEMIO eBooks

Company Reviews

Total number: 1
 2017 Diagrams review: *Contribution of soluble factors to EMT*
 Cell Signaling Biotechnology, Danvers, Massachusetts
<https://www.cellsignal.com/contents/science-cst-pathways-stem-cell-markers/contribution-of-soluble-factors-to-emt-interactive-signaling-pathway/pathways-emt-soluble-factors>

Recognitions and Awards

2025	Highly Viewed Papers Articles: "Exploring the Genetic Orchestra of Cancer: The Interplay Between Oncogenes and Tumor-Suppressor Genes" and "Translational Advances in Oncogene and Tumor-Suppressor Gene Research" <i>Cancers</i> , MDPI https://www.mdpi.com/journal/cancers/announcements/13628
2025	Springer Nature Author Service Award 2025 <i>Molecular Medicine</i>
2025	Springer Nature Editorial Contribution Award 2025 <i>Molecular Medicine</i>
2025	Springer Nature Editorial Contribution Award 2025 <i>BMC Endocrine Disorders</i>

2025	Top View Papers 2024 List Article "Adipose Tissue Dysfunction Related to Climate Change and Air Pollution: Understanding the Metabolic Consequences" selected as the Top View Papers of International Journal of Molecular Sciences (IJMS) (MDPI) in 2024
2024	Recognized Abstract Abstract qualified for the Presidential Poster Competition <i>The Endocrine Society's 106th Annual Meeting & Expo (ENDO) 2024</i> June 1 st -4 th , 2024, Boston, Massachusetts
2024	Top 10 Downloaded Pre-Print Article Pre-print article: "C66 and B2BrBC modulate oxidative stress, Jnk activity, and pancreatic gene expression in rats with streptozotocin-induced diabetes" <i>Social Science Research Network (SSRN)</i> https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4653989
2022	Top Downloaded Article One of the most downloaded articles during its first 12 months of publication <i>Wiley</i>
2020	Outstanding Editorial Board <i>World Journal of Diabetes</i> (BPG)
2020	Recognized Reviewer <i>Cancer Letters</i> (Elsevier)
2020	Recognized Reviewer <i>Biomedicine and Pharmacotherapy</i> (Elsevier)
2020	One of the most well-cited articles of the last two years <i>Molecular Medicine</i> (BMC Springer Nature)
2020	Reviewer of the Quarter (Second Quarter of 2020) <i>Molecular Medicine</i> (BMC Springer Nature) https://molmed.biomedcentral.com/about/rotq
2020	Best Reviewer of the Month (June 2020) <i>Biomedical and Pharmacology Journal</i> (Oriental Scientific Pub. Co.)
2020	Excellent Contribution Recognition <i>Current Research in Nutrition and Food Science</i> j (Enviro Research Publishers)
2020	Most Active Reviewer in the research field "Biochemistry & Molecular Biology" on Publons Ranked position #1 (among 21,948 researchers) for the number of peer reviews performed for the last 12 months in the research field "Biochemistry & Molecular Biology" <i>Publons</i>
2020	Outstanding Reviewer <i>Biomedical and Pharmacology Journal</i> (Oriental Scientific Pub. Co.)
2020	Excellence in Reviewing Award <i>International Journal of Oncology</i> (Spandidos Publications)
2019	Michael Kors, Inc. Research Innovations Grant Award Awarded \$15,000 for project "Role of inflammatory cytokines in affecting the outcome from in vitro fertilization procedure" <i>Katz Institute for Women's Health, Northwell Health, New Hyde Park, New York</i>
2019	Top 1% Peer Reviewer Awards

Awarded for top 1% of reviewers in categories "Clinical Medicine" and "Cross-Field" on Publons global reviewer database, Web of Science Group
Publons

2019 **Recognized Reviewer Award**
Inorganic Chemistry Communications (Elsevier)

2019 **First Place Poster Award**
6th Evening of Research, 2nd Annual Poster & Podium Presentations
Lenox Hill Hospital, Northwell Health
May 15th, 2019, New York, New York

2019 **Grant Proposal Selection**
The project proposal "*Role of hypoxia in modulating cytokine secretion in breast cancer cells*" selected to be the official Northwell Health grant proposal Mary Kay Foundation
Northwell Health, New York

2019 **Grant Proposal Selection**
The project proposal "*Mechanism of resistin-induced metastasis in breast cancer*" selected to be the official Northwell Health grant proposal to Manhasset Women's Coalition Against Breast Cancer
Northwell Health, New York

2018 **Outstanding Contribution in Reviewing Award**
Biomedicine & Pharmacotherapy (Elsevier)

2018 **Outstanding Contribution in Reviewing Award**
Metabolism (Elsevier)

2018 **Top 1% Peer Reviewer Award**
Awarded for top 1% in the field "*Biology & Biochemistry*" on Publons global reviewer database, Web of Science Group
Publons

2018 **Recognized Reviewer Award**
Biomedicine & Pharmacotherapy (Elsevier)

2018 **Student award**
Student Aaron Lavi was awarded third place in Biology at *SAAWA Science Fair*
Nassau County, New York

2018 **Student award**
Student Aaron Lavi was recognized with high honors, Senior Division
Long Island Science Congress, STANYS
New York, New York

2018 **Highly Influential Article Recognition**
The article "*Both estrogen receptor alpha and beta stimulate pituitary GH gene expression*" included in the Highly Influential Expert database (BPG)

2018 **Poster Recognition**
Abstract "*Resistin increases breast cancer metastatic potential by inducing epithelial to mesenchymal transition and stemness*" selected for poster presentation at Northwell Health 2018 Academic Awards Day
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York

2018 **Poster Recognition**
Poster "*Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming*" selected for inclusion in a moderated poster session (Abstract # SAT-329)

The Endocrine Society's 100th Annual Meeting & Expo (ENDO) 2018
 March 17th-20th, 2018, Chicago, Illinois

2018 **Grant Proposal Selection**
 The project proposal *"Role of resistin in mediating obesity-induced breast cancer progression"* selected to be the official Northwell Health grant proposal to Mary Kay Foundation
 Northwell Health, New York

2017 **Outstanding Reviewer Award**
Nutrition, Metabolism and Cardiovascular Diseases (Elsevier)

2017 **Recognized Reviewer Award**
Nutrition, Metabolism and Cardiovascular Diseases (Elsevier)

2017 **Recognized Reviewer Award**
Metabolism (Elsevier)

2017 **First Place Abstract Award**
 Awarded \$3,000 at the *3rd Lenox Hill Evening of Research*
 The Auxiliary of Lenox Hill Hospital, New York, New York

2017 **Poster Recognition**
 Abstract *"Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model"* selected for presentation
2017 Rachmiel Levine-Arthur Riggs Diabetes Research Symposium
 March 28th-31st, 2017, Orlando, Florida, USA

2016 **Outstanding Reviewer Award**
Metabolism (Elsevier)

2016 **Top 100 Peer Reviewers Award**
 Awarded for Top 100 peer reviewers in category *"Biochemistry, Genetics and Molecular Biology"* on Publons global reviewer database, Web of Science Group
Publons

2010 **Photography Award**
 Award winner and photograph work publication, *National Geographic* magazine (USA), *Daily Dozen* award for the photography *"Fishermen in the Gulf of Mexico"*
National Geographic Magazine, February 9th, 2010

2004-2008 **Fellowship Award**
Thanks To Scandinavia Foundation, New York, New York

Citation Indices

Google Scholar

Citation Indices	All	Last 5 years
Citations	1,573	958
h-index	19	16
i10-index	32	29

Publications

Books

1. **Avtanski D** (Editor). Adipose tissue: Endocrine functions, health implications, and future perspectives. Contemporary Endocrinology. Springer, Cham, 2024. DOI: <https://doi.org/10.1007/978-3-031-72570-8>; ISSN: 2523-3785; ISSN (electronic): 2523-3793; ISBN: 978-3-031-72569-2; ISBN (eBook): 978-3-031-72570-8
2. **Avtanski D**, Poretsky L (Editors). Obesity, diabetes and inflammation. Molecular Mechanisms and Clinical Management. Contemporary Endocrinology. Springer, Cham, 2023. DOI: <https://doi.org/10.1007/978-3-031-39721-9>; ISSN: 2523-3785; ISSN (electronic): 2523-3797; ISBN (hardcover): 978-3-031-39720-2; ISBN (softcover): 978-3-031-39723-3; ISBN (eBook): 978-3-031-39721-9

Research Publications

1. (manuscript in review) Stojchevski R, Velichkovikj S, Bogdanov J, Dragarska K, Todorovska I, Hadzi-Petrushev N, Mladenov M, Poretsky L, **Avtanski D**. Assessment of the anticancer and antimetastatic effects of monocarbonyl analogs of curcumin, C66 and B2BrBC, in breast cancer cells. Submitted in *Cancer Cell International*
2. (manuscript in review) Kochakzade M, Karami E, Karla P, Isenberg JS, Leung TM, Davarzani R, **Avtanski D**, Salehian B. Optical sensing with artificial intelligence for non-invasive glucose measurement: A clinical study. Submitted in *Frontiers in Endocrinology*
3. Stojchevski R, Velichkovikj S, Bogdanov J, Hadzi-Petrushev N, Mladenov M, Poretsky L, **Avtanski D**. Monocarbonyl analogs of curcumin C66 and B2BrBC modulate oxidative stress, Jnk activity, and pancreatic gene expression in rats with streptozotocin-induced diabetes. *Biomedical Pharmacology*, 2024, 229:116491. DOI: <https://doi.org/10.1016/j.bcp.2024.116491>; Preprint: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4653989
4. Stojchevski R, Velichkovikj S, Bogdanov J, Hadzi-Petrushev N, Mladenov M, Poretsky L, **Avtanski D**. Impact of monocarbonyl analogs of curcumin (MACs) C66 and B2BrBC on the expression of diabetes-related genes in streptozotocin-treated rat pancreatic RIN-m cells – Quantitative RT-PCR array data. *Data Brief.*, 2024, 57:110952. DOI: <https://doi.org/10.1016/j.dib.2024.110952>
5. Reçica S, Kryeziu I, Thaçi Q, **Avtanski D**, Mladenov M, Basholli-Salihu M, Sopi RB. Protective effects of resveratrol against airway hyperreactivity, oxidative stress, and lung inflammation in a rat pup model of bronchopulmonary dysplasia. *Physiological Research*, 2024, 73:239-251. DOI: <https://doi.org/10.33549/physiolres.935239>
6. Pavlova E, Stojchevski R, **Avtanski D**. The effect of resistin on the redox state of breast cancer. *Journal of Cancer Research and Clinical Oncology*, 2024, 150(1):24. DOI: <https://doi.org/10.1007/s00432-023-05556-7>
7. Poretsky L, Yeshua A, Cantor T, **Avtanski D**, Stojchevski, Ziskovich K, Singer T. The effects of irisin and leptin on steroidogenic enzyme gene expression in human granulosa cells: *in vitro* studies. *Metabolism Open*, 2023, 100230. DOI: <https://doi.org/10.1016/j.metop.2023.100230>
8. Angelovski M, Hadzi-Petrushev N, Atanasov D, Nikodinovski A, Mitrokhin V, **Avtanski DB**, Mladenov M. Protective effects of L-2-oxothiazolidine-4-carboxylate during isoproterenol-induced myocardial infarction in rats: *In vivo* study. *Life (Basel)*, 2022, 12(10):1466. DOI: <https://doi.org/10.3390/life12101466>
9. Stojchevski R, Singer T, Ziskovich K, Poretsky L, **Avtanski D**. *In vitro* treatment of human granulosa cells with irisin and leptin: Quantitative RT-PCR array data (female infertility panel). *Data Brief.*, 2022, 40:107781. DOI: <https://doi.org/10.1016/j.dib.2021.107781>
10. Nagalingam A, Siddharth S, Parida S, Muniraj N, **Avtanski D**, Kuppusamy P, Elsey J, Arbiser JL, Győrffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen by coordinating a crosstalk between Med1, miR205 and ErbB. *NPJ Breast Cancer*, 2022, 7(1):105. DOI: <https://doi.org/10.1038/s41523-021-00314-9>
11. Basman C, **Avtanski D**, Fishman S, Rashid U, Kodra A, Chen K, Jonas R, Stoffels G, Lesser M, Inlall D, Ziskovich K, Singh V, Poretsky L. Glycosylated hemoglobin, but not advanced glycation end-products, predicts severity of coronary artery disease in patients with or without diabetes. *Metabolism Open*, 2020, 7:100050. DOI: <https://doi.org/10.1016/j.metop.2020.100050>
12. Chen K, Satlof L, Stoffels G, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Cytokine secretion in breast cancer cells–MILLIPLEX assay data. *Data Brief*, 2020, 28:104798. DOI: <https://doi.org/10.1016/j.dib.2019.104798>
13. **Avtanski D**, Pavlov VA, Tracey KJ, Poretsky L. Characterization of inflammation and insulin resistance in high-fat diet-induced C57Bl/6J mouse model of obesity. *Animal Model Exp Med*, 2019, 2:252-258. DOI: <https://doi.org/10.1002/ame2.12084>

14. **Avtanski D**, Garcia A, Caraballo B, Thangeshwaran P, Marin S, Bianco J, Lavi A, Poretsky L. *In vitro* effects of resistin on epithelial to mesenchymal transition (EMT) in MCF-7 and MDA-MB-231 breast cancer cells—qRT-PCR and Western blot analyses data. *Data Brief*, 2019, 25:104118. DOI: <https://doi.org/10.1016/j.dib.2019.104118>
15. **Avtanski D**, Chen K, Poretsky L. Resistin and adenylyl cyclase-associated protein 1 (CAP1) regulate the expression of genes related to insulin resistance in BNL CL.2 mouse liver cells. *Data Brief*, 2019, 25:104112. DOI: <https://doi.org/10.1016/j.dib.2019.104112>
16. **Avtanski D**, Garcia A, Caraballo B, Thangeshwaran P, Marin S, Bianco J, Lavi A, Poretsky L. Resistin induces breast cancer cells epithelial to mesenchymal transition (EMT) and stemness through both adenylyl cyclase-associated protein 1 (CAP1)-dependent and CAP1-independent mechanisms. *Cytokine*, 2019, 120:155-164. DOI: <https://doi.org/10.1016/J.CYTO.2019.04.016>
17. Seto-Young D, **Avtanski D**, So-Young K, Sy V, Liao E, Liu G, Wan S, Lesser M, Poretsky L. Insulin-like growth factor (IGF)-I, IGF-binding protein (IGFBP)-1, and fibroblast growth factor (FGF) 21 serum levels in Chinese women with and without gestational diabetes. *Clinical Obstetrics, Gynecology and Reproductive Medicine*, 2017, 3(5):1-4. DOI: <https://doi.org/10.15761/COGRM.1000194>
18. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L. The readmission rates in patients with *versus* those without *diabetes mellitus* at an urban teaching hospital. *J Diabetes Complications*, 2017, 31(12):1681-1685. DOI: <https://doi.org/10.1016/j.diacomp.2017.07.006>
19. Poretsky L, Islam J, **Avtanski D**, Lin YK, Shen YL, Hirth Y, Lesser M, Rosenwaks Z, Seto-Young D. Reproductive effects of irisin: Initial *in vitro* studies. *Reprod Biol*, 2017, 17:285-288. DOI: <https://doi.org/10.1016/j.reprobio.2017.05.011>
20. **Avtanski D**, Nagalingam A, Tomaszewski JE, Risbord P, Difillippantonio MJ, Saxena NK, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits growth, invasion and migration of breast cancer cells via activation of p53-miR34a axis. *Mol Oncol*, 2016, 10(7):1118-1132. DOI: <https://doi.org/10.1016/j.molonc.2016.04.003>
21. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Poretsky L, Seto-Young D. *In vitro* effects of pioglitazone on the expression of components of Wnt signaling pathway and markers of bone mineralization. *Horm Metab Res*, 2016, 48(7):468-475, DOI: <https://doi.org/10.1055/s-0042-101027>
22. **Avtanski D**, Nagalingam A, Bonner MY, Arbiser JL, Saxena NK, Sharma D. Honokiol activates LKB1-miR-34a axis and antagonizes the oncogenic actions of leptin in breast cancer. *Oncotarget*, 2015, 6(30):29947-29962. DOI: <https://doi.org/10.18632/oncotarget.4937>
23. **Avtanski D**, Nagalingam A, Kuppusamy P, Bonner, M, Arbiser JL, Saxena N, Sharma D. Honokiol abrogates leptin-induced tumor progression by inhibiting Wnt1-MTA1- β -catenin signaling axis in a microRNA-34a-dependent manner. *Oncotarget*, 2015, 6(18):16396-16410. DOI: <https://doi.org/10.18632/oncotarget.3844>
24. **Avtanski DB**, Nagalingam A, Bonner MY, Arbiser JL, Saxena NK, Sharma D. Honokiol inhibits epithelial-mesenchymal transition in breast cancer cells by targeting signal transducer and activator of transcription 3/Zeb1/E-cadherin axis. *Molecular Oncology*, 2014, 8(3):565-580. DOI: <https://doi.org/10.1016/j.molonc.2014.01.004>
25. **Avtanski D**, Novaira H, Wu S, Romero CJ, Kineman R, Lague RM, Wondisford F, Radovick S. Both Estrogen Receptor Alpha and Beta Stimulate Pituitary GH Gene Expression. *Mol Endocrinol*, 2014, 28(1):40-52. DOI: <https://doi.org/10.1210/me.2013-1245>
26. Yan D, **Avtanski D**, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β -catenin activation via Akt/GSK3-dependent and MTA1/Wnt1-dependent pathways. *J Biol Chem*, 2012, 287(11):8598-8612. DOI: <https://doi.org/10.1074/jbc.M111.322800>
27. Seto-Young D, **Avtanski D**, Varadinova M, Park A, Suwandhi P, Leiser A, Parikh G, Poretsky L. Differential roles of MAPK-Erk/MAPK-p38 in insulin or insulin-like growth factor-I (IGF-I) signaling pathways for progesterone production in human ovarian cells. *Horm Metab Res*, 2011, 43(6):386-390. DOI: <https://doi.org/10.1055/s-0031-1273760>
28. Seto-Young D, **Avtanski D**, Parikh G, Suwandhi P, Strizhevsky M, Araki T, Rosenwaks Z, Poretsky L. Rosiglitazone and pioglitazone inhibit estrogen synthesis in human granulosa cells by interfering with androgen binding to aromatase. *Horm Metab Res*, 2011, 43(4):250-256. DOI: <https://doi.org/10.1055/s-0030-1270525>
29. Seto-Young D, **Avtanski D**, Strizhevsky M, Parikh G, Patel P, Kaplun J, Holcomb K, Rosenwaks Z, Poretsky L. Interactions among peroxisome proliferator activated receptor- γ , insulin signaling pathways and steroidogenic acute regulatory protein in human ovarian cells. *J Clin Endocrinol Metab*, 2007, 92(6):2232-2239. DOI: <https://doi.org/10.1210/jc.2006-1935>
30. **Avtanski D**. Action of thiazolidinediones on the steroidogenesis in the human ovary: *in vitro* study. *Endocrinology*, 2006, XI(3):170-177

31. Seto-Young D, Paliou M, Schlosser J, **Avtanski D**, Park A, Patel P, Holcomb K, Chang P, Poretsky L. Direct thiazolidine action in the human ovary: insulin-independent and insulin-sensitizing effects on steroidogenesis and insulin-like growth factor binding protein-1 production. *J Clin Endocrinol Metab*, 2005, 90(11):6099-6105. DOI: <https://doi.org/10.1210/jc.2005-0469>
32. **Avtanski D**, Tzanova N, Boyadjieva E. Model of educational software: Nitrogen cycle in nature (article in Bulgarian). *9^{eme} Session Scientifique, Sofia '01, Annuaire de l'Universite de Sofia "St. Kliment Ohridski"*, 2003, 95(4):307-312

Review Articles

1. Sethi P, Mishra AK, Ghosh S, Singh KK, Sharma S, Stojchevski R, **Avtanski D**, Sinha JK. Lipid metabolism-signaling crosstalk in metabolic disease and aging: Mechanisms and therapeutic targets. *Nutrients*, 2025, 17(23):3699. DOI: <https://doi.org/10.3390/nu17233699>
2. Konakchieva M, Stojchevski R, Hadzi-Petrushev N, Gagov H, Konakchieva R, Mitrokhin V, Kungulovski G, Mladenov M, **Avtanski D**. Curcumin and tetrahydrocurcumin as multi-organ modulators of the adipose tissue-gut-liver axis: Mechanistic insights, therapeutic potential, and translational challenges. *Pharmaceuticals*, 2025, 18:1791. DOI: <https://doi.org/10.3390/ph18121791>
3. (manuscript in review) Mitrokhin V, Schileyko S, Rodina A, Zolotareva A, Zolotarev V, Bocharkova N, Kaminer D, Antova E, Stojchevski R, Josifovska S, **Avtanski D**, Hadzi-Petrushev N, Kamkin A, Mladenov M. Kv11.1 channels in cardiac health and disease: Molecular insights and clinical relevance. Submitted in *SN Comprehensive Clinical Medicine*
4. Wang J, Jing K, Mitrokhin V, Schileyko S, Rodina A, Zolotareva A, Zolotarev V, Bocharkova N, Kaminer D, Antova E, Stojchevski R, Hadzi-Petrushev N, **Avtanski D**, Kamkin A, Mladenov M. Crosstalk between MST1-Hippo and Wnt/β-catenin, Notch, and PI3k/Akt pathways in cardiac physiology and pathology. *Journal of Physiology and Biochemistry*, 2025, DOI: 10.1007/s13105-025-01099-2
5. Singh SR, Bhaskar R, Ghosh S, Yarlagadda B, Singh KK, Verma P, Sengupta S, Mladenov M, Hadzi-Petrushev N, Stojchevski R, Sinha JK, **Avtanski D**. Exploring the genetic orchestra of cancer: The interplay between oncogenes and tumor-suppressor genes. *Cancers*, 2025, 17(7):1082. DOI: <https://doi.org/10.3390/cancers17071082>
6. Stojchevsky R, Sutanto EA, Sutanto R, Hadzi-Petrushev N, Mladenov M, Singh SR, Sinha JK, Ghosh S, Yarlagadda B, Singh KK, Verma P, Sengupta S, Bhaskar R, **Avtanski D**. Translational advances in oncogene and tumor-suppressor gene research. *Cancers*, 2025, 17(6):1008. DOI: <https://doi.org/10.3390/cancers17061008>
7. Hadzi-Petrushev N, Stojchevski R, Jakimovska A, Stamenkovska M, Josifovska S, Stamatoski A, Sazdova I, Sopi R, Kamkin A, Gagov H, Mladenov M, **Avtanski D**. GLUT5-overexpression-related tumorigenic implications. *Molecular Medicine*, 2024, 30(1):114. DOI: <https://doi.org/10.1186/s10020-024-00879-8>
8. Stojchevski R, Chandrasekaran P, Hadzi-Petrushev N, Mladenov M, **Avtanski D**. Adipose tissue dysfunction related to climate change and air pollution: Understanding the metabolic consequences. *International Journal of Molecular Sciences*, 2024, 25(14):7849. DOI: <https://doi.org/10.3390/ijms25147849>
9. Sazdova I, Hadzi-Petrushev N, Keremidarska-Markova M, Stojchevski R, Sopi R, Shileiko S, Mitrokhin V, Gagov H, **Avtanski D**, Lubomirov LT, Mladenov M. SIRT-associated attenuation of cellular senescence in vascular wall. *Mechanisms of Ageing and Development*, 2024, 220:111943. DOI: <https://doi.org/10.1016/j.mad.2024.111943>
10. **Avtanski D**, Reddy V, Stojchevski R, Hadzi-Petrushev N, Mladenov M. The microbiome in the obesity-breast cancer axis: Diagnostic and therapeutic potential. *Pathogens*, 2023, 12, 1402. DOI: <https://doi.org/10.3390/pathogens12121402>
11. Sazdova I, Keremidarska-Markova M, Dimitrova D, Mitrokhin V, Kamkin A, Hadzi-Petrushev N, Bogdanov J, Schubert R, Gagov H, **Avtanski D**, Mladenov D. Anticarcinogenic potency of EF24: An overview of its pharmacokinetics, efficacy, mechanism of action, and nanoformulation for drug delivery. *Cancers*, 2023, 15(22): 5478. DOI: <https://doi.org/10.3390/cancers15225478>
12. **Avtanski D**, Hadzi-Petrushev N, Josifovska S, Mladenov M, Reddy V. Emerging technologies in adipose tissue research. *Adipocyte*, 2023, 12(1):2248693. DOI: <https://doi.org/10.1080/21623945.2023.2248673>
13. Mladenov M, Lubomirov L, Grisk O, **Avtanski D**, Mitrokhin V, Sazdova I, Keremidarska-Markova M, Danailova Y, Nikolaev G, Konakchieva R, Gagov H. Oxidative and reductive stress: mechanisms, complications, and role of regulatory molecules in vascular and other tissues. *Antioxidants*, 2023, 12(5):1126. DOI: <https://doi.org/10.3390/antiox12051126>

14. Josifovska S, Panov S, Hadzi-Petrushev N, Mitrokhin V, Kamkin A, Stojchevski R, **Avtanski D**, Mladenov M. Positive tetrahydrocurcumin-associated brain-related metabolomic implications. *Molecules* 2023, 28(9):3734. <https://doi.org/10.3390/molecules28093734>
15. M, Bogdanov J, Bogdanov B, Hadzi-Petrushev N, Kamkin A, Stojchevski R, **Avtanski D**. Efficacy of the monocarbonyl curcumin analog C66 in the reduction of diabetes-associated cardiovascular and kidney complications. *Molecular Medicine*, 2022, 28(1):129. DOI: <https://doi.org/10.1186/s10020-022-00559-5>
16. Atanasova-Panchevska N, Stojchevski R, Hadzi-Petrushev N, Mitrokhin V, **Avtanski D**, Mladenov M. Antibacterial and antiviral properties of tetrahydrocurcumin-based formulations: An overview of their metabolism in different microbiotic compartments. *Life*, 2022, 12(11):1708. DOI: <https://doi.org/10.3390/life12111708>
17. Zhang L, Li C, Wang S, **Avtanski D**, Hadzi-Petrushev N, Mitrokhin V, Mladenov M, Wang F. Tetrahydrocurcumin-related vascular protection: An overview of the findings from animal disease models. *Molecules*, 2022, 27(16): 5100. DOI: <https://doi.org/10.3390/molecules27165100>
18. **Avtanski D**, Poretsky L. Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *Molecular Medicine*, 2018, 24(1):1-17. DOI: <https://doi.org/10.1186/s10020-018-0032-7>

Book Chapters

1. **Avtanski D**, Stojchevski R. Significance of adipose tissue as an endocrine organ. In: Adipose tissue: Endocrine functions, health implications, and future perspective (**Avtanski D.**, Editor). *Springer, Cham*, 2024, pp. 1-46. DOI: https://doi.org/10.1007/978-3-031-72570-8_1
2. Stojchevski R, **Avtanski D**. Technological advances in adipose tissue research and clinical practice. In: Adipose tissue: Endocrine functions, health implications, and future perspective (**Avtanski D.**, Editor). *Springer, Cham*, 2024, pp. 189-208. DOI: https://doi.org/10.1007/978-3-031-72570-8_7
3. Sengupta S, **Avtanski D**. Obesity and inflammation. In: **Avtanski D.**, Poretsky L (eds) Obesity, diabetes and inflammation: Molecular mechanisms and clinical management. *Contemporary Endocrinology*. *Springer, Cham*, 2023, pp. 15-53. DOI: https://doi.org/10.1007/978-3-031-39721-9_2; ISBN (print): 978-3-031-39720-2; ISBN (online): 978-3-031-39721-9
4. Reddy V, **Avtanski D**. Environmental and lifestyle factors influencing inflammation and type 2 diabetes. In: **Avtanski D.**, Poretsky L. (Editors) Obesity, diabetes and inflammation. Molecular Mechanisms and Clinical Management. In: **Avtanski D.**, Poretsky L. (eds) Obesity, diabetes and inflammation: Molecular mechanisms and clinical management. *Contemporary Endocrinology*. *Springer, Cham*, 2023, pp. 165-183. DOI: https://doi.org/10.1007/978-3-031-39721-9_8; ISBN (print): 978-3-031-39720-2; ISBN (online): 978-3-031-39721-9
5. **Avtanski D**, Garcia A, Liao E. Vitamin D and obesity. In: Liao E. (Editor) Extraskeletal effects of vitamin D. *Contemporary Endocrinology*, *Humana Press, Cham*, 2018, pp. 165-181. DOI: https://doi.org/10.1007/978-3-319-73742-3_9; ISBN (print): 978-3-319-73741-6; ISBN (online): 978-3-319-73742-3

Data Repositories

1. Stojchevski R, Hadzi-Petrushev N, Bogdanov J, Mladenov M, Angelovski M, Velickovic S, **Avtanski D**. Expression of diabetes-related genes in rodent β -cell line (RIN-m) treated with monocarbonyl curcumin analogues (C66 and B2BrBC) in presence or absence of streptozotocin – PCR array data, *Mendeley Data*, 2022, V1. DOI: <https://doi.org/10.17632/vdgz7pk6vh.1>
2. Stojchevski R, Poretsky L, **Avtanski D**. Evaluation of the *in vitro* effects of irisin and leptin on human ovarian granulosa cells – PCR array data (female infertility panel). *Mendeley Data*, 2021, V1, DOI: <https://doi.org/10.17632/gr3dg36nxz.1>
3. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Effect of cobalt(II) chloride (CoCl_2) treatment on cytokine secretion in human breast cancer cells–MILLIPLEX assay data. *Mendeley Data*, 2019, V1. DOI: <https://doi.org/10.17632/mhgbkthx35.1>, <http://dx.doi.org/10.17632/mhgbkthx35.1>
4. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Basal cytokine secretion in human breast cancer cells and non-carcinogenic breast epithelial cells – 41-cytokine MILLIPLEX assay data. *Mendeley Data*, 2019, V1. DOI: <https://doi.org/10.17632/tvt8zm37w5.2>, <http://dx.doi.org/10.17632/tvt8zm37w5.2>

Conference Proceedings

1. Stojchevski R, Sutanto E, Dragarska K, Todorovska I, Velichkovikj S, Hadzi-Petrushev N, Bogdanov J, Mladenov M, Poretsky L, **Avtanski DB**. Drug-like ADME profiles and antimetastatic properties of monocarbonyl curcumin analogs C66 and B2BrBC with improved stability. *Journal of the Endocrine Society*, 2025, 9(Suppl 1):bvaf149.2449. DOI: 10.1210/jendso/bvaf149.2449
2. **Avtanski D**, Karami E, Karla PK, Leung TM, Isenberg J, Salehian B, Kochakzade M. Evaluating the accuracy of a novel AI-powered optical device for noninvasive glucose monitoring – Results from a prospective clinical study. *Diabetes*, 2025;74(Supplement_1):1027-P. DOI: 10.2337/db/25-1027-P
3. Stojchevski R, Bogdanov JB, Hadzi-Petrushev N, Mladenov M, Poretsky L, **Avtanski D**. Monocarbonyl analogs of curcumin C66 and B2BrBC modulate diabetes-related gene expression in rat pancreatic cells. *Diabetes*, 2024, 73(Supplement 1):1772-P. DOI: <https://doi.org/10.2337/db24-1772-P>
4. Stojchevski R, Hadzi-Petrushev N, Mladenov M, Bogdanov J, Velichkovikj S, Poretsky L, **Avtanski D**. Effects of two experimental monocarbonyl analogs of curcumin (MACs) on breast cancer growth, migration, and epithelial-to-mesenchymal transition (EMT). *Journal of the Endocrine Society*, 2023, 7(Suppl. 1):bvad114.2183. DOI: <https://doi.org/10.1210/jendso/bvad114.2183>
5. Stojchevski R, Angelovski M, Velichkovikj S, Hadzi-Petrushev N, Bogdanov JB, Mladenov M, Poretsky L, **Avtanski D**. Monocarbonyl curcumin analogs C66 and B2BrBC Improve redox status in streptozotocin-induced diabetic rats. *Diabetes* 2023, 72(Suppl 1):1807-PUB. DOI: <https://doi.org/10.2337/db23-1807-PUB>
6. **Avtanski D**, Poretsky L, Singer T, Stojchevski R, Ziskovich K. Energy metabolism hormones irisin and leptin affect steroidogenesis in human granulosa cells: *in vitro* studies. *Journal of the Endocrine Society*, 2022, 6(Suppl. 1):A688. DOI: 10.1210/jendso/bvac150.1421
7. Frenkel M, Cusano N, Gianos E, Leung TM, Ziskovich K, **Avtanski D**, Stojchevski R, Thermidor S, Hassan Eid M, Poretsky L. Energy metabolism hormones and lipid profiles in transgender individuals: Cross-sectional pilot study. *Atherosclerosis*, 2022, 335:P80-81. DOI: <https://doi.org/10.1016/j.atherosclerosis.2022.06.468>
8. Stojchevski R, Angelovski M, Velichkovikj S, Hadzi-Petrushev N, Mladenov M, Bogdanov JB, Poretsky L, **Avtanski D**. Effect of monocarbonyl curcumin analogues C66 and B2BrBC on pancreatic expression of genes related to insulin signaling pathway and oxidative stress in streptozotocin-induced diabetes. *Diabetes*, 2022, 71(Suppl. 1):557-P. DOI: <https://doi.org/10.2337/db22-557-P>
9. Palandira SP, Falvey A, **Avtanski DB**, Stojchevski R, Zeng Q, Poretsky L, Tracey KJ, Pavlov VA. Optogenetic stimulation of cholinergic neuronal endings in the celiac-superior mesenteric ganglion complex suppresses inflammation in murine endotoxemia. *FASEB Journal*, 2022, 36(S1), DOI: <https://doi.org/10.1096/fasebj.2022.36.S1.R4472>
10. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Saxena NK. Hyperleptinemia in obese state renders luminal breast cancer refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *Cancer Research*, 2021, 81(Suppl. 4):PS18-32. DOI: <https://doi.org/10.1158/1538-7445.SABCS20-PS18-32>
11. **Avtanski DB**, Ziskovich K, Singer T, Yeshua A, Cantor T, Poretsky L. The effects of leptin and irisin on steroidogenic enzyme gene expression in human ovarian granulosa cells – Initial studies. *J Endocr Soc*, 2021, 5(Suppl 1):A772-3. DOI: <https://doi.org/10.1210/jendso/bvab048.1571>
12. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Optimization of experimental conditions for mimicking hypoxia in cultured breast cancer cells by using cobalt(II) chloride (CoCl₂). *Journal of the Endocrine Society*, 2020, Volume 4(Suppl 1):SAT-124. DOI: <https://doi.org/10.1210/jendso/bvaa046.1318>
13. **Avtanski D**, Chen K, Satlof L, Stoffels G, Kothapalli U, Ziluck N, Lema M, Poretsky L. Hypoxia effect on cytokine production by breast cancer cells. *Journal of the Endocrine Society*, 2020, Volume 4(Suppl 1):SAT-136. DOI: <https://doi.org/10.1210/jendso/bvaa046.1328>
14. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *Cancer Research*, 2019, Volume 79(Suppl 13):310. DOI: <https://doi.org/10.1158/1538-7445.AM2019-310>
15. Basman C, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Rashid U, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L. Serum levels of the advanced glycation end-product (AGE) pentosidine do not correlate with the extent of coronary artery disease assessed by SYNTAX score. *Diabetes*, 2019, Volume 68(Suppl 1):2215-PUB. DOI: <https://doi.org/10.2337/db19-2215-PUB>
16. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk

between Med1, miR205 and Erb B kinases. *Proceedings of the AACR*, 2019, Volume 60, Apr 2019, Part A: Abstracts 1-2758

17. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *Journal of the Endocrine Society*, 2019, Volume 3(Suppl. 1):SAT-334. <https://doi.org/10.1210/js.2019-SAT-334>
18. Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Chen K, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *Journal of the Endocrine Society*, 2019, Volume 3(Suppl. 1):SAT-335. <https://doi.org/10.1210/js.2019-SAT-335>
19. **Avtanski D**, Poretsky L. Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *IEEE 3rd International Conference on Nano/Molecular Medicine and Engineering*. Springer Nature, 2018, Volume 24. DOI: <https://doi.org/10.1186/s10020-018-0032-7>
20. **Avtanski D**, Caraballo B, Poretsky L. Targeting resistin signaling pathway as a strategy for enhancing the effect of chemotherapy drugs in reducing breast cancer cells aggressiveness. *J Pharma Care Health Sys*, 2018, 5:37. DOI: <https://doi.org/10.4172/2376-0419-C2-029>
21. **Avtanski D**, Garcia A, Thangeshwaran P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating insulin actions in mouse liver cells. *Diabetes*, 2018, 67(Suppl 1):1754-P. DOI: <https://doi.org/10.2337/db18-1754-P>
22. **Avtanski D**, Garcia A, Thangeshwaran P, Caraballo B, ad A, Bianco J, Marin S, Ronca C, Poretsky L. Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *Endocrine Reviews*, 2018
23. **Avtanski D**, Garcia A, Caraballo B, Thangeshwaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *Endocrine Reviews*, 2018
24. **Avtanski DB**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey K, Poretsky. Plasma levels of resistin correlate negatively with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model. 99th Annual Meeting of the Endocrine Society, 2017:4(1)
25. Nagalingam A, **Avtanski D**, Tomaszewski J, Prabhakar R, Difillippantonio M, Mears B, Saxena N, Malhotra S, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits epithelial-mesenchymal transition and stemness via activation of p53-miR-34a axis. *Cancer Research*, 2016, 76(14):1228. DOI: <https://doi.org/10.1158/1538-7445.AM2016-1228>
26. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. Natural phenolic compound honokiol inhibits leptin-induced epithelial to mesenchymal transition in breast cancer. *Book: Metastasis and Tumor Progression, Neoplasia of Endocrine Tissue, Therapies for Cancer and Tumorigenesis*, Endocrine Society, 2016, p. SUN-104
27. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young DLT. *In vitro* effects of pioglitazone on the expression of Wnt signaling pathway components and markers of bone mineralization. *Book: New Players and Old Actors in the Regulation of Bone Mass*, Endocrine Society, 2016, p. SUN-352
28. Malhotra S, Tomaszewski J, Difillippantonio M, Risbood P, Nagalingam A, **Avtanski D**, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits growth of breast cancer cells. *Abstracts of Papers of the American Chemical Society*, 2015, 250
29. **Avtanski D**, Bonner MY, Tiutan TP, Arbiser JL, Saxena NK, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer: Therapeutic modulation of miR-34a via tumor suppressor LKB1. *Cancer Research*, 2014, 74(19):LB-187. DOI: <https://doi.org/10.1158/1538-7445.AM2014-LB-187>
30. Sharma D, **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Cancer Research*, 2013, 73(24):P1-07-04. DOI: <https://doi.org/10.1158/0008-5472.SABCS13-P1-07-04>
31. **Avtanski DB**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *Cancer Research*, 2013, 73(8):299. DOI: <https://doi.org/10.1158/1538-7445.AM2013-299>
32. **Avtanski DB**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Cancer Research*, 2013, 73(8):5497. DOI: <https://doi.org/10.1158/1538-7445.AM2013-5497>
33. **Avtanski D**, Pine-Twaddell E, Kineman R, Wondisford F, Radovick S. Estrogens regulate somatotroph hormonal production directly through estrogen receptor-alpha. *Book: Basic/Translational-Pituitary Biology & Tumorigenesis*, Endocrine Society, 2011, p. P1-387. DOI: <http://dx.doi.org/10.1210/endo-meetings.2011.PART2.P2.P1-387>

34. Twaddell EDP, Miller RS, Romero C, **Avtanski D**, Radovick S. Effect of CBP phosphorylation on growth hormone signaling in the somatotroph. Book: *Basic/Translational-Growth Hormone & Prolactin*, Endocrine Society, 2011, p. P2-338
35. **Avtanski D**, Wondisford F, Radovick S. Enhanced GH gene expression by estrogen receptor activation. *Endocrine Reviews*, 2010, 31(3)
36. **Avtanski D**, Wondisford F, Radovick S. Enhanced GH gene expression by estrogen receptor activation. Book: *Posters V*, Endocrine Society, 2010, p. P3-241

Other Scientific Publications

1. Shurulinkov, P, **Avtanski D**. Records of Tengmalm's Owl (*Aegolius funereus*) from the Šar Mts, Republic of Macedonia. *Historia Naturalis Bulgarica*, 2018, 28:1-4. DOI: <https://doi.org/10.48027/hnb.28.01001>; ISSN (print): 0205-3640; ISSN (online): 2603-3186, <http://www.nmnhs.com/historia-naturalis-bulgarica/>

Encyclopedia Entries

1. Stojchevski R, Sutanto EA, Sutanto R, Hadzi-Petrushev N, Mladenov M, Singh SR, Sinha JK, Ghosh S, Yarlagadda B, Singh KK, Verma P, Sengupta S, Bhaskar R, **Avtanski D**. New Frontiers in Cancer Therapy and Diagnostics. *Encyclopedia* MDPI Video, 2025. Release Date: 2025-08-26. <https://encyclopedia.pub/video/1682>
2. **Avtanski D**, Reddy V, Stojchevski R, Hadzi-Petrushev N, Mladenov M. The microbiome in the obesity-breast cancer axis. *Encyclopedia*, 2023, Entry # 52269. <https://encyclopedia.pub/entry/52269>
3. Sazdova I, Keremidarska M, Dimitrova D, Mitrokhin V, Kamkin A, Hadzi-Petrushev N, Bogdanov J, Schubert R, Gagov H, **Avtanski D**, Mladenov M. Pharmacokinetics of EF24. *Encyclopedia*, 2023, 52228. <https://encyclopedia.pub/entry/52228>
4. Mladenov M, Lubomirov L, Grisk O, **Avtanski D**, Mitrokhin V, Sazdova I, Keremidarska-Markova M, Danailova Y, Nikolaev G, Konakchieva R, Gagov H. Antioxidants in diabetes, vascular injury, hypoxia, atherosclerosis, allergies. *Encyclopedia*, 2023, 48054. <https://encyclopedia.pub/entry/48054>
5. Mladenov M, Lubomirov L, Grisk O, **Avtanski D**, Mitrokhin V, Sazdova I, Keremidarska-Markova M, Danailova Y, Nikolaev G, Konakchieva R, Gagov H. Oxidative stress, reductive stress and antioxidants. *Encyclopedia*, 2023, 740. https://encyclopedia.pub/video/video_detail/750
6. Josifovska S, Panov S, Hadzi-Petrushev N, Mitrokhin V, Kamkin A, Stojchevski R, **Avtanski D**, Mladenov M. Tetrahydrocurcumin-related neuropathic protection. *Encyclopedia*, 2023. <https://encyclopedia.pub/entry/44144>
7. Atanasova-Panchevska N, Stojchevski R, Hadzi-Petrushev N, Mitrokhin V, **Avtanski D**, Mladenov M. Antibacterial and antiviral properties of tetrahydrocurcumin-based formulations. *Encyclopedia*, 2022, 32131. <https://encyclopedia.pub/entry/32131>
8. Zhang L, Li C, Wang S, **Avtanski D**, Hadzi-Petrushev N, Mitrokhin V, Mladenov M, Wang, F. Tetrahydrocurcumin-related vascular protection. *Encyclopedia*, 2023. <https://encyclopedia.pub/entry/26155>

Popular Science Publications

1. **Avtanski D**. The bay of the large seals (article in Bulgarian). *Пътешественик (Traveler)* newspaper (Bulgaria), 2004, Issue 6 (July 26th-August 1st), p. 4
2. **Avtanski D**. The life of the northern elephant seals (article in Bulgarian). *Животински Свят (Animal World)* website (Bulgaria), 2004. <http://gergana1.dir.bg/animals/expeditions/index.htm>

Presentations

Invited Oral Presentations

1. (upcoming) **Avtanski D**. Academic writing for international scientific journals: A practical guide using *Molecular Medicine* as a Model. *Chinese National Higher Education Research Institute (CNHERI)*, December 17th 2025, Virtual
2. **Avtanski D**. Nutrition, adipose tissue, and human health. *Webinar: Nutrition, Adipose Tissue, and Human Health*. May 23rd, 2025, Virtual
3. **Avtanski D**, Karami E, Karla P, Leung TM, SIsenberg, JS, Davarzani R, Salehian B, Kochakzade M. Evaluating the accuracy of a novel AI-powered optical device for non-invasive glucose monitoring: Results from a prospective

clinical study. *Evening of Research, 3rd Annual Podium & Poster Presentation*. Lenox Hill Hospital, Northwell Health, April 21st, 2025, New York, New York

4. **Avtanski D.** Advances in translational medicine: The impact of stem cells on inflammation, metabolic, and cancer pathways. *EATRIS-Bulgaria Annual Conference 2024*, November 7th-9th, 2024, Sofia, Bulgaria
5. **Avtanski D.** The future of EHS: Leveraging tomorrow's technology to maximize today's data. *The Orts Club roundtable*, May 10th, 2023, New York, New York
6. **Avtanski D.** Obesity and breast cancer – molecular insights. *International Symposium on Updates on Obesity*, February 6th-8th, 2022, Virtual
7. **Avtanski D.** Characterization of the cytokine secretion profile of breast cancer cells. *7th Edition – Webinar on Breast Cancer-2021*, July 14th-15th, 2021. <https://cancer.endeavorresearchgroup.com/index.php>
8. **Avtanski D.** Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York
9. Garcia A, Caraballo B, Thangesh P, Bianco J, Marin S, Lavi A, Poretsky L, **Avtanski D.** Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *11th Annual Gerald J. Friedman Fellows Symposium: Nutrition, Diabetes, and Human Health*, November 14th, 2018, Virtual
10. **Avtanski D.**, Caraballo B, Poretsky L. Targeting resistin signaling pathway as a strategy for enhancing the effect of chemotherapy drugs in reducing breast cancer cells aggressiveness. *15th International Conference on Pharmaceutical Formulations & Drug Delivery*, September 17th-18th, 2018, Philadelphia, Pennsylvania
11. **Avtanski D.**, Garcia A, Caraballo B, Thangeshwaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York
12. **Avtanski D.**, Garcia A, Caraballo B, Thangeshwaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *The Endocrine Society's 100th Annual Meeting & Expo, Session MP19, Moderated Posters: Tumor Biology I*, March 17th-20th, 2018, Chicago, Illinois
13. Garcia A, Caraballo B, Thangeshwaran P, Marin S, Bianco J, Lavi A, Ronca C, Poretsky L, **Avtanski D.** Resistin increases breast cancer invasiveness by potentiating cellular mesenchymal transition. *3rd Lenox Hill Evening of Research*, November 30th, 2017, New York, New York – **1st place abstract award**
14. Georgiev G, **Avtanski D.**, Konakchieva R. *In vitro* modulation of ovarian cells steroid secretion under glucocorticosteroid resistance *Scientific Session Dedicated at the 70th Anniversary of the Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences*, 2008, Sofia, Bulgaria
15. Araki T, **Avtanski D.**, Parikh G, Goldman M, Rosenwaks Z, Poretsky L. Thiazolidinediones inhibit aromatase activity in human granulosa cells by interfering with androgen binding to aromatase. *Department of Medicine, Division of Endocrinology & Metabolism, Beth Israel Medical Center, Albert Einstein College of Medicine*, 2006, New York, New York
16. Seto-Young D, **Avtanski D.**, Poretsky L. Insulin and peroxisome proliferator activated receptor γ signaling in human ovary – basic mechanisms and clinical implications. *11th International Symposium of Immunology of Reproduction*, 2006, Varna, Bulgaria
17. **Avtanski D.**, Seto-Young D, Konakchieva R, Poretsky L. The human ovary – target of PPAR γ -mediated action of thiazolidinediones. *7th National Congress on Sterility, Contraception and Hormone Replacement Therapy*, 2006, Borovetz, Bulgaria
18. **Avtanski D.**, Konakchieva R. Immunomodulation by melatonin. *9th Scientific Session of the Faculty of Biology, Sofia University*, 2001, Sofia, Bulgaria
19. **Avtanski D.**, Kehayov I, Konakchieva R. Calcium-binding proteins of the S100 family are targeted by glucocorticoids in process of differentiation and apoptosis. *9th Scientific Session of the Faculty of Biology, Sofia University*, 2001, Sofia, Bulgaria
20. **Avtanski D.**, Tzanova N. Model of educational software: Nitrogen cycle in nature. *9th Scientific Session of the Faculty of Biology, Sofia University*, 2001, Sofia, Bulgaria
21. **Avtanski D.**, Penkov V. Follicular atresia in Muscovy duck (*Cairina moschata*, L.). *National Student Scientific Session, Sofia University and Sofia Medical University*, 2000, Sofia, Bulgaria
22. **Avtanski D.** Histochemical study of the ovary of Muscovy duck (*Cairina moschata*, L.) regarding its steroidogenic function. *Student Scientific Conference of the Faculty of Biology, Sofia University*, 1998, Sofia, Bulgaria

Department Seminars

1. Friedman Diabetes Institute Research Laboratory – Projects update. *Division of Endocrinology Seminar Series*, Lenox Hill Hospital, January 7th, 2025, Virtual
2. Friedman Diabetes Institute Research Laboratory – Projects update. *Division of Endocrinology Seminar Series*, Lenox Hill Hospital, April 4th, 2023, Virtual
3. Role of hypoxia in modulating cytokine secretion of breast cancer cells. *Department of Surgery Seminar Series*, Lenox Hill Hospital, Northwell Health, September 16th, 2020, New York, USA
4. ADA-2019 meeting: Highlights. *Division of Endocrinology Seminar Series*, Lenox Hill Hospital, June 25th, 2019, New York, New York
5. Resistin and breast cancer metastasis. *Division of Endocrinology Seminar Series*, Lenox Hill Hospital, February 27th, 2018, New York, New York
6. Endocrinology Division: Research update. *Division of Endocrinology Seminar Series*, Lenox Hill Hospital, October 17th, 2017, New York, New York
7. Adipokines, insulin resistance and reproduction. *Division of Endocrinology Seminar Series*, Lenox Hill Hospital, February 7th, 2017, New York, New York
8. Research update. *Division of Endocrinology Seminar Series*, Lenox Hill Hospital, November 1st, 2016, New York, New York
9. Strategies to overcome leptin signaling in breast cancer. *Breast Cancer Program Seminar Series*, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, March 10th, 2015, Baltimore, Maryland
10. Oncogenic role of leptin in breast cancer. *Breast Cancer Program Seminar Series*, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, March 4th, 2013, Baltimore, Maryland
11. Both estrogen receptor alpha and beta stimulate pituitary GH gene expression. *Prostate Cancer Laboratory Seminar Series*, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, September 26th, 2011, Baltimore, Maryland
12. Role of estrogens in regulation of somatotroph hormonal production. *Institute of Biology and Immunology of Reproduction Seminar Series*, Bulgarian Academy of Sciences, April 20th, 2011, Sofia, Bulgaria
13. Insulin-independent and insulin-dependent effects of thiazolidinediones in the human ovary. *Institute of Biology and Immunology of Reproduction Seminar Series*, Bulgarian Academy of Sciences, September 21st, 2006, Sofia, Bulgaria
14. Direct effects of estrogens on somatotroph function. *Division of Endocrinology Seminar Series*, Johns Hopkins University School of Medicine, November 20th, 2009, Baltimore, Maryland

Poster Presentations

1. Sutanto EA, Garcia AC, Lee J, Stojchevski R, **Avtanski D**. AI-driven detection of EMT-related gene expression patterns from high throughput imaging of PANC1 cells. *CUNY School of Medicine Research Day 2025*, November 18th, 2025, New York, New York
2. Vako L, Leung TM, Ziskovich K, Stojchevski R, **Avtanski D**, Poretsky L, Cusano NE. Skeletal profiles and bone mineral parameters of transgender and gender non-binary individuals receiving gender-affirming hormone therapy: A prospective study. *The American Society for Bone and Mineral Research (ASBMR) 2025 Annual Meeting*, Seattle, Washington, September 5th-8th, 2025. Poster # 552.
<https://asbmr.confex.com/asbmr/2025/meetingapp.cgi/Person/13256>
3. Sutanto E, Stojchevski R, Poretsky L, **Avtanski D**. Drug-like ADME profiles and antimetastatic properties of monocarbonyl curcumin analogs C66 and B2BrBc with improved stability. *The Endocrine Society's 107th Annual Meeting and Expo (ENDO 2025)*, July 12th-15th, 2025, San Francisco, California – Poster # SAT-307
4. **Avtanski D**, Karami E, Karla P, Leung TM, Isenberg JS, Davarzani R, Salehian B, Kochakzade M. Evaluating the efficacy of a novel AI-powered optical device for non-invasive glucose monitoring: Results from a prospective clinical study. *The American Diabetes Association 85th Scientific Sessions*, June 20th-23rd, 2025, Chicago, Illinois – Poster # 1027-P
5. Stojchevski R, Sutanto E, Dragarska K, Todorovska I, Hadzi-Petrushev N, Bogdanov J, Mladenov M, Poretsky L, **Avtanski D**. Drug-like ADME profiles and antimetastatic properties of monocarbonyl curcumin analogs C66 and B2BrBC with improved stability. *Evening of Research, 3rd Annual Podium & Poster Presentation*. Lenox Hill Hospital, Northwell Health, April 21st, 2025, New York, New York

6. Sutanto EA, **Avtanski D**, Stojchevski R. Evaluation of the anti-cancer potential of two novel monocarbonyl analogs of curcumin. *CUNY School of Medicine Research Day 2024*, November 19th, 2024, New York, New York
7. Fried H, **Avtanski D**, Stojchevski R, Ziskovich K, Swe NC, Thermidor S, Eid M, Ahmed S, Shaarbay R, Leung TM, Ganos E, Ong C, Sanchez AS, Poretsky L, Cusano N. A prospective study of bone density parameters and plasma procollagen type 1 N-terminal propeptide (P1NP) levels in gender-diverse persons. *WPATH 28th Scientific Symposium*, September 25th-30th, 2024, Lisbon, Portugal
8. Ong C, Thermidor S, Swe NC, Eid M, Ahmed S, **Avtanski D**, Stojchevski R, Leung TM, Ziskovich K, Shaarbay R, Sanchez A, Ganos E, Poretsky L, Cusano N. Cardiometabolic metrics in transgender patients receiving gender-affirming hormone therapy. *WPATH 28th Scientific Symposium*, September 25th-30th, 2024, Lisbon, Portugal
9. Kochakzade M, Karami E, Karla K, Leung TM, **Avtanski D**, Isenberg JS, Davarzani R, Salehian B. Optical sensing with adaptive artificial intelligence for non-invasive glucose monitoring: A clinical trial. *2024 Rachmiel Levine-Arthur Riggs Diabetes Research Symposium*, September 21st-24th, 2024, Pasadena, California
10. Stojchevski R, Lavi A, Bogdanov J, Hadzi-Petrushev N, Mladenov M, Poretsky L, **Avtanski D**. Monocarbonyl analogs of curcumin C66 and B2BrBC modulate diabetes-related gene expression in rat pancreatic cells. *The American Diabetes Association 84th Scientific Sessions*, June 21st-24th, 2024, Orlando, Florida
11. Stojchevski R, Lavi A, Bogdanov J, Hadzi-Petrushev N, Mladenov M, Poretsky L, **Avtanski D**. Impact of the monocarbonyl analogs of curcumin, C66 and B2BrBC, on the protein expression of epithelial and mesenchymal markers in MCF-7 breast cancer cells. *The Endocrine Society's 106th Annual Meeting and Expo (ENDO 2024)*, June 1st-4th, 2023, Boston, Massachusetts – **Abstract qualified for the Presidential Poster Competition at ENDO 2024**
12. Dragarska K, Todorovska I, Stojchevski R, Hadzi-Petrushev N, Mladenov M, **Avtanski D**, Bogdanov J. Design and *in vitro* evaluation of monocarbonyl curcumin analogs eliciting breast cancer cytotoxicity. *26th Congress of the Society of Chemists and Technologists of Macedonia (SCTM)*, September 20th-23rd, 2023, Ohrid, N. Macedonia
13. Stojchevski R, Angelovski M, Velichkovikj S, Hadzi-Petrushev N, Mladenov M, Bogdanov J, Poretsky L, **Avtanski D**. Monocarbonyl curcumin analogs C66 and B2BrBC improve redox status in streptozotocin-induced diabetic rats. *The American Diabetes Association 83rd Scientific Sessions*, June 23rd-26th, 2023, San Diego, California, Abstract # 557-P
14. Stojchevski R, Hadzi-Petrushev N, Mladenov M, Bogdanov J, Poretsky L, Avtanski D. Effects of two experimental monocarbonyl analogs of curcumin (MACs) on breast cancer growth, migration, and epithelial-to-mesenchymal transition (EMT). *The Endocrine Society's 105th Annual Meeting and Expo (ENDO 2023)*, June 15th-18th, 2023, Chicago, Illinois
15. Stojchevski R, Poretsky L, **Avtanski D**. Effects of two experimental monocarbonyl analogs of curcumin on breast cancer growth, migration, and epithelial-to-mesenchymal transition. *The 2023 Academic Competition and Research Symposium*, Zucker School of Medicine, Hofstra University, May 31st, 2023, New York, New York
16. Hadzi-Petrushev N, Mladenov M, Stojchevski R, Posterky L, **Avtanski D**. Testing the effects of various experimental monocarbonyl analogs of curcumin (MACs) on breast cancer growth, migration, and epithelial-to-mesenchymal transition (EMT). *The Feinstein Institutes Poster Session 2023*, May 11th, 2023, Manhasset, New York
17. Hadzi-Petrushev N, Mladenov M, Stojchevski R, Posterky L, **Avtanski D**. Monocarbonyl curcumin analogs C66 and B2BrBC improve redox status in streptozotocin-induced diabetic rats. *The Feinstein Institutes Poster Session 2023*, May 11th, 2023, Manhasset, New York
18. **Avtanski D**, Stojchevski R, Ziskovikj K, Singer T, Poretsky L. Energy metabolism hormones irisin and leptin affect steroidogenesis in human granulosa cells: *in vitro* studies. *Feinstein Institutes October Scientific Poster Session*, October 20th, 2022, Manhasset, New York
19. Cusano N, Ganos E, Frenkel M, **Avtanski D**, Stojchevski R, Ziskovich K, Hassan M, Thermidor S, Poretsky L. Energy metabolism hormones and lipid profiles in transgender individuals: Cross-sectional pilot study. *Feinstein Institutes October Scientific Poster Session*, October 20th, 2022, Manhasset, New York
20. **Avtanski D**, Stojchevski R, Ziskovikj K, Singer T, Poretsky L. Energy metabolism hormones irisin and leptin affect steroidogenesis in human granulosa cells: *in vitro* studies. *The Endocrine Society's 104th Annual Meeting and Expo (ENDO) 2022*, June 11th-14th, 2022, Atlanta, Georgia
21. Poonacha S, Falvey A, Zeng Q, **Avtanski DB**, Stojchevski R, Tracey KJ, Pavlov VA. Selective optogenetic stimulation of cholinergic innervations of the celiac-superior mesenteric ganglion complex attenuates inflammation in murine endotoxemia. *45th Annual Conference on Shock*, June 4th-7th, 2022, Toronto, Ontario
22. Stojchevski R, Angelovski M, Velichkovikj S, Hadzi-Petrushev N, Mladenov M, Bogdanov J, Poretsky L, **Avtanski D**. Effect of monocarbonyl curcumin analogues C66 and B2BrBC on pancreatic expression of genes related to insulin

signaling pathway and oxidative stress in streptozotocin-induced diabetes. *The American Diabetes Association 82nd Scientific Sessions*, June 3rd-7th, 2022, New Orleans, Louisiana – Abstract # 557-P

23. Cusano N, Ganos E, Frenkel M, **Avtanski D**, Stojchevski R, Ziskovich K, Hassan M, Thermidor S, Poretsky L. Energy metabolism hormones and lipid profiles in transgender individuals: Cross-sectional pilot study. *90th European Atherosclerosis Society (EAS) Congress*, May 22nd-25th, 2022, Milan, Italy – Abstract # EP238

24. Palandira SP, Falvey A, Zeng Q, Avtanski DB, Stojchevski R, Poretsky L, Tracey KJ, Pavlov VA. Optogenetic stimulation of cholinergic neuronal endings of the celiac-superior mesenteric ganglion complex attenuates inflammation in murine endotoxemia. *Feinstein Institutes Scientific Poster Session Series*, April 14th, 2022, Manhasset, New York

25. Stojchevski R, Angelovski M, Velichkovik S, Hadzi-Petrushev N, Mladenov M, Bogdanov J, Poretsky L, **Avtanski D**. Effect of monocarbonyl curcumin analogues C66 and B2BrBC on pancreatic expression of genes related to insulin signaling pathway and oxidative stress in streptozotocin-induced diabetes. *Feinstein Institutes Scientific Poster Session Series*, April 14th, 2022, Manhasset, New York

26. Palandira S, Falvey A, Zeng Q, **Avtanski DB**, Stojchevski R, Poretsky L, Tracey KJ, Pavlov VA. Optogenetic stimulation of cholinergic neuronal endings in the celiac-superior mesenteric ganglion complex suppresses inflammation in murine endotoxemia. *Experimental Biology 2022*, April 2nd-5th, 2022, Philadelphia, Pennsylvania – Abstract # R4472

27. Falvey, A, Palandira S, Zeng Q, Stojchevski R, **Avtanski D**, Tracey KJ, Pavlov VA. Electrical stimulation of the dorsal motor nucleus of the vagus activates the efferent arm of the inflammatory reflex shifting the cytokine balance in murine endotoxemia towards suppression of inflammation. *Neuroscience 2021 50th Annual Meeting*, November 8th-11th, 2021, Virtual – Poster # P617.01

28. Palandira S, Falvey A, Zeng Q, **Avtanski DB**, Stojchevski R, Poretsky L, Tracey KJ, Pavlov VA. Optogenetic cholinergic stimulation of the celiac-superior mesenteric ganglia complex attenuates inflammation. *Neuroscience 2021 50th Annual Meeting*, November 8th-11th, 2021, Virtual – Poster # P617.05

29. **Avtanski D**, Ziskovich K, Singer T, Singer T, Yeshua A, Cantor T, Poretsky L. The effects of leptin and irisin on steroidogenic enzyme gene expression in human ovarian granulosa cells - initial studies. *The Endocrine Society's Annual Meeting and Expo (ENDO) 2021*, March 20th-23rd, 2021, Virtual – Abstract # 7284

30. Poretsky L, **Avtanski D**, Ziskovich K, Inlall D, Vegecsna A, Leung TM, Benias P. A retrospective study of weight and metabolic changes in patients with obesity (BMI \geq 30 Kg/m²) after endoscopic sleeve gastroplasty (ESG) or laparoscopic sleeve gastrectomy (LSG). *The American Diabetes Association 80th Scientific Sessions*, Virtual. June 12th-16th, 2020 – Abstract 2027-P – **Poster selected for moderated session**

31. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Role of hypoxia in modulating cytokine secretion in breast cancer cells. Role of hypoxia in modulating cytokine secretion in breast cancer cells. *Cancer Metabolism and Signaling 2020*, The New York Academy of Sciences, April 17th, 2020, Virtual

32. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Optimization of experimental conditions for mimicking hypoxia in cultured breast cancer cells by using cobalt(II) chloride (CoCl₂). *The Endocrine Society's 102nd Annual Meeting & Expo (ENDO) 2020*, March 29th-31st, 2020, Virtual – Abstract # 6094

33. **Avtanski D**, Chen K, Satlof L, Stoffels G, Kothapalli U, Ziluck N, Lema M, Poretsky L. Hypoxia effect on cytokine production by breast cancer cells. *The Endocrine Society's 102nd Annual Meeting & Expo (ENDO) 2020*, March 29th-31st, 2020, Virtual – Abstract # 6104

34. Garcia A, Caraballo B, Thangewaran P, Bianco J, Marin S, Lavi A, Poretsky L, **Avtanski D**. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *12th Annual Friedman Fellows Symposium*, November 14th, 2019, New York, New York

35. Lema M, **Avtanski D**. Role of AXL tyrosine kinase receptor in mediating resistin actions on epithelial to mesenchymal transition in breast cancer cells. *Scholarship Day*, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, November 6th, 2019, Hempstead, New York – Abstract # 47

36. Ziluck N, Satlof L, Kothapalli U, Lema M, Chen K, Poretsky L, **Avtanski D**. The effect of hypoxia on cytokine secretion in breast cancer cells. *The Feinstein Institute Summer Students Poster Presentation*, August 14th, 2019, Manhasset, New York

37. Satlof L, Chen K, Weber D, Poretsky L, **Avtanski D**. The role of tyrosine kinase receptor AXL in resistin-mediated epithelial to mesenchymal transition (EMT) *The Feinstein Institute Summer Students Poster Presentation*, August 14th, 2019, Manhasset, New York

38. Kothapalli U, Satlof L, Chen K, Ziluck N, Lema M, Poretsky L, **Avtanski D**. The effects of hypoxia on hypoxia-inducible factor 1 alpha (HIF-1 α) and carbonic anhydrase 9 (CA9) expression in various breast cancer cell lines. *The Feinstein Institute Summer Students Poster Presentation*, August 14th, 2019, Manhasset, New York

39. **Avtanski D**, Poretsky L. Tumor microenvironment proinflammatory cytokines modulate secretory activity of breast cancer cells – *in vitro* study. *Tumor Microenvironments: Mechanisms and Therapeutic Implications 6th Annual Symposium*, Memorial Sloan Kettering Cancer Center and Weill Cornell Medicine, July 19th, 2019, New York, New York – Abstract # 2
40. Basman C, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Rashid U, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L. Serum levels of the advanced glycation end-product (AGE) pentosidine do not correlate with the extent of coronary artery disease assessed by SYNTAX score. *American Diabetes Association 79th Scientific Sessions*, June 7th-11th, 2019, San Francisco, California – Abstract # 2215-PUB
41. Chen K, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Poretsky L, **Avtanski D**. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *6th Evening of Research, 2nd Annual Research Poster & Podium Presentations*, May 15th, 2019, Lenox Hill Hospital, Northwell Health, New York, New York – Abstract # 25. ***1st Place Poster Award**
42. Chen K, Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York – Abstract # 4
43. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York – Abstract # 1
44. Jonas R, Basman C, **Avtanski D**, Chen K, Kodra A, Rashid U, Fishman S, Singh V, Poretsky L. Evaluating serum concentrations of advanced glycation end-products as predictors of coronary artery disease. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York – Abstract # 9
45. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *The American Association for Cancer Research (AACR) Annual Meeting*, March 29th-April 3rd, 2019, Atlanta, Georgia – Abstract # 310/1
46. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *The Endocrine Society's 101st Annual Meeting (ENDO) 2019*, March 23rd-26th, 2019, New Orleans, Louisiana – Abstract # SAT-334
47. Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Chen K, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *The Endocrine Society's 101st Annual Meeting (ENDO) 2019*, March 23rd-26th, 2019, New Orleans, Louisiana – Abstract # SAT-335
48. Chen K, Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *Feinstein Scientific Retreat*, February 27th, 2019, New Hyde Park, New York – Abstract # 13
49. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *Feinstein Scientific Retreat*, February 27th, 2019, New Hyde Park, New York – Abstract # 14
50. Rashid U, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Basman C, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L. Serum levels of the advanced glycation end-product (AGE) pentosidine do not correlate with the extent of coronary artery disease assessed by SYNTAX score. *Feinstein Scientific Retreat*, February 27th, 2019, New Hyde Park, New York – Abstract # 45
51. **Avtanski D**, Poretsky L. Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *IEEE 13th International Conference on Nano/Molecular Medicine and Engineering*, Grand Hyatt, Singapore, April 22nd-26th, 2018
52. **Avtanski D**, Garcia A, Thangarasan P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *11th Annual Gerald J. Friedman Fellows Symposium: Nutrition, Diabetes, and Human Health*, November 14th, 2018
53. Lavi A, Weber D, Satlof L, Poretsky L, **Avtanski D**. Role of AXL receptor tyrosine kinase in mediating resistin effects on epithelial to mesenchymal transition (EMT) in breast cancer. *The Feinstein Institute Summer Students Poster Presentation*, August 15th, 2018, Manhasset, New York

54. **Avtanski D**, Garcia A, Thangeshwaran P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *American Diabetes Association 78th Scientific Sessions*, June 22nd-26th, 2018, Orlando, Florida – Abstract # 1754-P
55. Koroma M, Caraballo B, Thangeshwaran P, Poretsky L, **Avtanski D**. Resistin increases breast cancer metastatic potential by inducing epithelial to mesenchymal transition and stemness. *Northwell Health 2018 Academic Awards Day, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell*, June 5th, 2018, Hempstead, New York – Abstract # BS4 – Rrecognized poster
56. Koroma M, **Avtanski D**, Vegesna A, Spector YJ, Okolo P, Benias P, Roland B, Miller L, Poretsky L. Obesity as a multifactorial disease: Energy metabolism, insulin resistance, endoscopic bariatric intervention and the pathophysiology of small intestinal bacterial overgrowth (SIBO) in human obesity. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York – Abstract # 6
57. Basman C, Fishman S, Sonmez H, **Avtanski D**, Stoffels G, Singh V, Poretsky L. The role of circulating advanced glycation end-products (AGEs) in predicting clinically significant coronary artery disease. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York – Abstract # 3
58. **Avtanski D**, Garcia A, Thangeshwaran P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York – Abstract # 2
59. **Avtanski D**, Garcia A, Thangeshwaran P, Caraballo B, Lavi A, Bianco J, Marin S, Ronca C, Poretsky L. Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York – Abstract # 1
60. **Avtanski D**, Garcia A, Thangeshwaran P, Caraballo B, Lavi A, Bianco J, Marin S, Ronca C, Poretsky L. Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *The Endocrine Society's 100th Annual Meeting & Expo (ENDO) 2018*, March 17th-20th, 2018, Chicago, Illinois – Abstract # SUN-141
61. **Avtanski D**, Garcia A, Caraballo B, Thangeshwaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *The Endocrine Society's 100th Annual Meeting & Expo (ENDO) 2018*, March 17th-20th, 2018, Chicago, Illinois – Abstract # SAT-329 – abstract selected for inclusion in a moderated poster session
62. Lavi A, Marin S, Bianco J, Ronca C, Garcia A, Poretsky L, **Avtanski D**. Resistin interferes with insulin signaling by modulating GLUT4 and CAP1 cellular translocation. *The Feinstein Institute Summer Students Poster Presentation*, March 24th, 2017, Manhasset, New York
63. Bianco J, Lavi A, Marin S, Ronca C, Garcia A, Poretsky L, **Avtanski D**. Resistin increases breast cancer cell invasiveness by potentiating their mesenchymal transition. *The Feinstein Institute Summer Students Poster Presentation*, March 24th, 2017, Manhasset, New York
64. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L. The readmission rates in patients with and without *diabetes mellitus* at an urban teaching hospital. *American Diabetes Association's 77th Scientific Sessions*, June 9th-13th, 2017, San Diego, California. Abstract # 1352-P
65. Islam JR, Seto-Young D, **Avtanski D**, Lin YK, Shen S, Hirth Y, Lesser M, Rosenwaks Z, Poretsky L. The effects of irisin in reproductive system – Update 2017. *10th Annual Gerald J. Friedman Fellows Symposium 2017: Nutrition, Diabetes, and Human Health*, April 22nd, 2017, Chicago, Illinois
66. Garcia A, **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Effect of high-fat diet on cofilin and MMP9 protein expression in diet-induced obesity mouse model. *10th Annual Gerald J. Friedman Fellows Symposium 2017: Nutrition, Diabetes and Human Health*, April 22nd, 2017, Chicago, Illinois
67. Garcia A, **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Effect of obesity on resistin and adenylyl cyclase-associated protein 1 (CAP1) expression in white adipose tissue. *10th Annual Gerald J. Friedman Fellows Symposium 2017: Nutrition, Diabetes and Human Health*, April 22nd, 2017, Chicago, Illinois
68. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Garcia A, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model. *3rd Annual Feinstein Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 7th, 2017, Manhasset, New York – Abstract # 8

69. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L. The readmission rates in patients with and without *diabetes mellitus* at an urban teaching hospital. *3rd Annual Feinstein Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 7th, 2017, Manhasset, New York – Abstract # 10
70. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model. *The Endocrine Society's Annual Meeting (ENDO) 2017*, April 1st-4th, 2017, Orlando, Florida – Abstract # SAT-573
71. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model. *Rachmiel Levine-Arthur Riggs Diabetes Research Symposium*, March 28th-31st, 2017, Orlando, Florida – Abstract # LRS-3 – **The Endocrine Society's Annual Meeting poster awarded for presentation at R. Levine-A. Riggs Symposium**
72. Nagalingam A, **Avtanski D**, Tomaszewski J, Prabhakar R, Difilippantonio M, Mears B, Saxena N, Malhotra S, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits epithelial-mesenchymal transition and stemness via activation of p53-miR-34a axis. *The American Association for Cancer Research (AACR) Annual Meeting*, April 16th-20th, 2016, New Orleans, Louisiana – Abstract # 1228
73. Islam J, Seto-Young D, **Avtanski D**, Lesser M, Rozenwaks Z, Poretsky L. Update: Does irisin has an effect on female reproductive function? Initial *in vitro* studies. *9th Annual Gerald J. Friedman Fellows Symposium*, June 11th, 2016, New Orleans, Louisiana
74. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young D. *In vitro* effects of pioglitazone on the expression of Wnt signaling pathway components and markers of bone mineralization. *2nd Feinstein Institute Research Symposium: Diabetes & Metabolic Disorders*, April 2016, Manhasset, New York – Abstract # 2
75. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. Natural phenolic compound honokiol inhibits leptin-induced epithelial to mesenchymal transition in breast cancer. *The Endocrine Society's Annual Meeting (ENDO) 2016*, April 1st-4th, 2016, Boston, Massachusetts – Abstract # SUN 104
76. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young D. *In vitro* effects of pioglitazone on the expression of Wnt signaling pathway components and markers of bone mineralization. *The Endocrine Society's Annual Meeting (ENDO) 2016*, April 1st-4th, 2016, Boston, Massachusetts – Abstract # SUN 352
77. Malhotra SV, Tomaszewski JE, Difilippantonio M, Risboid PA, Nagalingam A, **Avtanski D**, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits growth of breast cancer cells *Division of Medicinal Chemistry 250th National Meeting and Exposition*, August 16th-20th, 2015, Boston, Massachusetts – Abstract # MEDI 193
78. **Avtanski D**, Tiutan T, Saxena N, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer. Therapeutic modulation of miR-34a via tumor suppressor LKB1. *7th Annual Safeway Breast Cancer Retreat*, May 1st, 2014, Baltimore, Maryland – Abstract # 2
79. **Avtanski D**, Tiutan T, Saxena N, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer. Therapeutic modulation of miR-34a via tumor suppressor LKB1. *The Johns Hopkins University Sidney Kimmel Comprehensive Cancer Center Fellow Research Day 2014*, 2014, Baltimore, Maryland – Abstract # 3
80. **Avtanski D**, Tiutan T, Saxena N, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer. Therapeutic modulation of miR-34a via tumor suppressor LKB1. *The American Association for Cancer Research (AACR) Annual Meeting*, April 5th-9th, 2014, San Diego, California – Abstract # LB-187
81. Sharma D, **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *2013 San Antonio Breast Cancer Symposium*, December 9th-11th, 2013, San Antonio, Texas – Abstract # 851732
82. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Johns Hopkins Post-Doctoral Symposium*, 2013, Baltimore, Maryland
83. **Avtanski D**, Kuie Lin Y, Hirth Y, Babushkin N, Sy V, Seth A, Pareek A, Sharma D, Poretsky L, Seto-Young D. Thiazolidinedione effects on the mineral content and the components of the Wnt signaling pathway in human osteoblasts. *The Endocrine Society's 95th Annual Meeting (ENDO 2013)*, June 15th-18th, 2013, San Francisco, California – Abstract #4659

84. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *6th Annual Safeway Breast Cancer Research Retreat 2013*, May 17th, 2013, Baltimore, Maryland
85. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *6th Annual Safeway Breast Cancer Research Retreat 2013*, May 17th, 2013, Baltimore, Maryland
86. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *The Johns Hopkins University Sidney Kimmel Comprehensive Cancer Center Fellow Research Day 2013*, 2013, Baltimore, Maryland – Abstract # 4
87. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *The American Association for Cancer Research (AACR) Annual Meeting*, April 6th-10th, 2013, Washington, District of Columbia – Abstract # 5497
88. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *The American Association for Cancer Research (AACR) Annual Meeting*, April 6th-10th, 2013, Washington, District of Columbia – Abstract # 299
89. **Avtanski D**, Yan D, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *5th Annual Safeway Breast Cancer Retreat*, 2012, Baltimore, Maryland – Abstract #1
90. **Avtanski D**, Yan D, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *The Johns Hopkins University Sidney Kimmel Comprehensive Cancer Center Fellow Research Day 2012*, 2012, Baltimore, Maryland – Abstract # 5
91. **Avtanski D**, Yan D, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *The Johns Hopkins Institute for NanoBio Technology Symposium: Cancer: The Big Picture*, 2012, Baltimore, Maryland – Abstract #70
92. Yan D, **Avtanski D**, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *The American Association for Cancer Research (AACR) Annual Meeting*, March 31st-April 4th, 2012, Chicago, Illinois – Abstract # 349
93. Zapata-Rodrigues E, Sinha Roy S, **Avtanski D**, Nagalingam A. Sensitization of Human Breast Cancer Cells to Apoptosis Induced by Doxorubicin Using the Natural Products Benzyl Isothiocyanate and Honokiol. *Annual Biomedical Research Conference for Minority Students (ABRCMS)*, November 9th-12th, 2011, St. Louis, Missouri – Abstract # 488
94. **Avtanski D**, Pine-Twaddell E, Kineman R, Wondisford F, Radovick S. Estrogens regulate somatotroph hormonal production directly through estrogen receptor alpha. *The Endocrine Society's 93rd Annual Meeting (ENDO) 2011*, June 4th-7th, 2011, Boston, Massachusetts – Abstract # P1-387
95. Pine-Twaddell E, Miller R, Romero C, **Avtanski D**, Radovick S. Effect of CBP phosphorylation on growth hormone signaling in the somatotroph. *The Endocrine Society's 93rd Annual Meeting (ENDO)* June 4th-7th, 2011, Boston, Massachusetts – Abstract # P2-338
96. **Avtanski D**, Wondisford F, Radovick S. Enhanced GH gene expression by estrogen receptor activation. *The Endocrine Society's 92nd Annual Meeting (ENDO) 2010*, June 19th-22nd, 2010, San Diego, California – Abstract #P3-241
97. **Avtanski D**, Ng W, Diaczock D, Romero C, Sima D, Chen C, Novaira H, Wondisford F, Radovick S. Estrogen directly increases GH expression in somatotroph cell lines. *12th International Symposium of Immunology of Reproduction*, June 25th-27th, 2009, Varna, Bulgaria
98. **Avtanski D**, Seto-Young D, Parikh G, Strizhevsky M, Feng Y, Pareek A, Singh J, Singh N, Polskaya M, Rosenwaks Z, Poretsky L. Thiazolidinediones inhibit estrogen synthesis by interfering with androgen binding to aromatase. *The Endocrine Society's 90th Annual Meeting (ENDO) 2008*, June 15th-18th, 2008, San Francisco, California – Abstract # P2-44
99. **Avtanski D**, Strizhevsky M, Parikh G, Araki T, Rosen O, Demetri C, Goldman M, Cadag S, Rosenwaks Z, Poretsky L, Seto-Young D. The effects of thiazolidinediones on estrogen production in human granulosa cells. *The Endocrine Society's 89th Annual Meeting (ENDO) 2007*, June 2nd-5th, 2007, Toronto, Canada – Abstract # P1-317
100. **Avtanski D**, Park A, Kaplun J, Strizhevsky M, Kantor Y, Holcomb K, Poretsky L, Seto-Young D. Effects of mitogen-activated protein kinase (MAPK) inhibition on progesterone and insulin-like growth factor binding protein-1 (IGFBP-

1) production in human ovarian cells. *The Endocrine Society's 88th Annual Meeting (ENDO) 2006*, June 24th-26th, 2006, Boston, Massachusetts – Abstract # P1-409

101. **Avtanski D**, Kaplun J, Strizhevsky M, Park A, Patel P, Kantor Y, Kearny Brown M, Dhillon S, Pang X, Goldman M, Yeshou D, Moosavy A, Holcomb K, Rosenwaks Z, Seto-Young D, Poretsky L. Interactions among PPAR γ , insulin signaling pathways and aromatase in human ovarian cells. *The Endocrine Society's 88th Annual Meeting (ENDO) 2006*, June 24th-26th, 2006, Boston, Massachusetts – Abstract # P1-397

102. **Avtanski D**, D. Seto-Young, R. Konakchieva, L. Poretsky. Insulin-independent and insulin-sensitizing effects of thiazolidinediones in human ovary. *11th International Symposium of Immunology of Reproduction*, June 2nd-4th, 2006, Varna, Bulgaria

103. Seto-Young D, Paliou M, Schlosser J, Patel P, Park A, **Avtanski D**, Latif W, Babar N, Yeshou D, Omry G, Holcomb K, Poretsky L. Peroxisome proliferator-activated receptor γ (PPAR γ) in human ovarian cells: its role in regulation of steroidogenesis and IGFBP-1 production. *The Endocrine Society's 87th Annual Meeting (ENDO) 2005*, June 4th-7th, 2005, San Diego, California – Abstract # P3-564

104. Taushanova P, **Avtanski D**, Konakchieva R. Immunomodulation by melatonin – physiological significance. *10th Jubilee International Symposium of Immunology of Reproduction*, September 4th-6th, 2003, Varna, Bulgaria

105. Taushanova P, **Avtanski D**, Konakchieva R. Immunomodulation by melatonin – interference in glucocorticoid-induced differentiation of lymphocytes. *10th Meeting of the European Neuroendocrine Association (ENEA)*, September 12th-14th, 2002, Munich, Germany

Acknowledgements

1. Acknowledgement to reviewers of Children in 2020. *Children (Basel)*, 2021, 8(1):45. DOI: <https://doi.org/10.3390/children8010045>
2. Acknowledgement to reviewers of JPM in 2020. *Journal of Molecular Pathology*, 2021, 11, 63. DOI: <https://doi.org/10.3390/jpm11020063>
3. Acknowledgement to reviewers of Nutrients in 2019. *Nutrients*, 2020. DOI: <https://doi.org/10.3390/nu12010273>
4. Kang BH, Cho JH, Kim SY, Jeong KA, Kim SH, Kim C, Lim SJ, Shim KS. Growth and bone mineral density changes in ovariectomized rats treated with estrogen receptor alpha or beta agonists. *J Korean Med Sci*. 2020, 35(45):e370. DOI: <https://doi.org/10.3346/jkms.2020.35.e370>
5. Acknowledgement to reviewers of Cancers in 2019. *Cancers*, 2020, 12, 243. DOI: <https://doi.org/10.3390/cancers12010243>
6. Acknowledgement to reviewers of Biomolecules in 2019. *Biomolecules*. 2020, 10, 145. DOI: <https://doi.org/10.3390/biom10010145>
7. Acknowledgement to reviewers. *Metabolism Clinical and Experimental*, 2019, 93:103-5
8. Xie B, Zhao L, Guo L, Liu H, Fu S, Fan W, Lin L, Chen J, Wang B, Fan L, Wei H. Benzyl isothiocyanate suppresses development and metastasis of murine mammary carcinoma by regulating the Wnt/ β -catenin pathway. *Molecular Medicine Reports*, 2019. DOI: <https://doi.org/10.3892/mmr.2019.10390>
9. 2018 Acknowledgment to reviewers. *Metabolism*. 2018, 82:156-65. DOI: <https://doi.org/10.1016/j.metabol.2018.03.013>
10. Contribution of soluble factors to EMT interactive Signaling Pathway. *Cell Signaling Technology*, 2018. <https://www.cellsignal.com/contents/science-cst-pathways-stem-cell-markers/contribution-of-soluble-factors-to-emt-interactive-signaling-pathway/pathways-emt-soluble-factors>
11. Acknowledgment to reviewers. *Metabolism*, 2017, 69:211-3 [https://www.metabolismjournal.com/article/S0026-0495\(17\)30005-7/pdf](https://www.metabolismjournal.com/article/S0026-0495(17)30005-7/pdf)
12. Acknowledgment to reviewers. *Metabolism Clinical and Experimental*, 2016, 65:1443-6 [https://www.metabolismjournal.com/article/S0026-0495\(16\)30054-3/pdf](https://www.metabolismjournal.com/article/S0026-0495(16)30054-3/pdf)
13. Giustina A *et al.* Acknowledgment of reviewers 2015. *Endocrine*, 2016, 54:841-8. DOI: <https://doi.org/10.1007/s12020-016-1154-8>
14. Giustina A, Filetti S, Floriani I, Gazzaruso C, Granata R, Isidori A, Magni P, Mazziotti G, Vitale G, Chiara Zatelli M. Acknowledgment of reviewers 2014. *Endocrine*, 2015, 50:831-8. DOI: <https://doi.org/10.1007/s12020-015-0808-2>
15. Shurulinkov P, Stoyanov G, Komitov E, Daskalova G, Ralev A. Contribution to the knowledge on distribution, number and habitat preferences of rare and endangered birds in Western Rhodopes Mts, Southern Bulgaria. Strigiformes and Piciformes. *Acta Zool Bulg*, 2012, 64(1):43-56

16. Nankinov D, Dalakchieva S, Nikolov B, Shurulinkov P, Popov K, Kirilov S, Zareva K, Borisov B, Stojanov G, Nankinov N, Minchev N, Kjichukov D, Nikolov I, Stanchev R, Ganchev E. Studying the behaviour of birds during the solar eclipse on August 11, 1999. *Russian Ornithological Journal*, 2001, 142:355-369, ISSN 0869-4362

Invited Talks

Invited Courses

1. Animal models in reproductive biology. A 15-hours course for students in Biology, Medicine, and Veterinary Medicine, PhD students, and post-doctoral fellows at Sofia University "St. Kliment Ochridsky", 2015, Sofia, Bulgaria

Press Interviews and Mentions

1. Science & the Big Apple: A Bulgarian Fulbright Scholar at Lenox Hill Hospital, NYC. By Elitsa Pavlova. *Fulbright Bulgaria Newsletter*, 2022, 94, pp. 20-21
2. Obesity increases risk of breast cancer and worsens prognosis. Food for Breast Cancer, September 11th, 2022. <https://foodforbreastcancer.com/articles/obesity-increases-risk-of-breast-cancer-and-worsens-prognosis>
3. Maintaining a healthy diet with breast cancer. Yes, We Care, September 1st, 2022. <https://yeswecare.co.za/2022/09/01/maintaining-a-healthy-diet-with-breast-cancer/>
4. Fat-secreted molecule lowers response to common cancer treatment. *WorldHealth.net*, November 24th, 2021. <https://www.worldhealth.net/news/fat-secreted-molecule-lowers-response-common-cancer-treatment/>
5. Fat-secreted molecule lowers response to common cancer treatment. *Science Daily*, November 9th, 2021. <https://www.sciencedaily.com/releases/2021/11/211109095351.htm>
6. ["Mentors help young scientists say not to unreliable scientific journal publications"] (article in Greek) by Marilia Mavrikou, *Open Knowledge*, Greece. <https://okfn.gr/%CE%BF%CE%B9-%CE%BC%CE%AD%CE%BD%CF%84%CE%BF%CF%81%CE%B5%CF%82-%CE%B2%CE%BF%CE%B7%CE%B8%CE%BF%CF%8D%CE%BD-%CF%84%CE%BF%CF%85%CF%82-%CE%BD%CE%AD%CE%BF%CF%85%CF%82-%CE%B5%CF%80%CE%B9%CF%83%CF%84%CE%AE/>
7. Australasian Human Research Ethics Consultancy Services Pty Ltd (AHRECS). Published/Released on January 14, 2019, Posted by Admin on February 2, 2019, "Mentors help authors say "no" to predatory journals – Elsevier Connect (Marilynn Larkin, November 2018)." https://ahrecs.com/resources/mentors-help-authors-say-no-to-predatory-journals-elsevier-connect-marilynn-larkin-november-2018?fbclid=IwAR1sWIIDV_fuE1rh12yRd84_vEzc0OkBXEhEV96tmDUDkjhE5vQAX1M02Jw
8. Interview for Northwell Health by Amy Pilot, January 15th, 2019, "Gerald J. Friedman Diabetes Institute"
9. Interview for Elsevier by Marilynn Larkin, November 14th, 2018, "Mentors help authors say "no" to predatory journals." <https://www.elsevier.com/connect/mentors-help-authors-say-no-to-predatory-journals>
10. Interview for Elsevier by Marilynn Larkin, August 22nd, 2018, "To thwart predatory publishing, we need to work together", "Mentoring helps authors say "no" to predatory journals", and "Supporting value: How rigorous processes & collaborations help ensure research integrity." <https://www.elsevier.com/connect/to-thwart-predatory-publishing-we-need-to-work-together>
11. Interview for Reuters Health by Will Boggs, Managed Health Care Connect, December 20th, 2016, "Increased Risk of bone fractures with pioglitazone use." <http://www.managedhealthcareconnect.com/content/increased-risk-bone-fractures-pioglitazone-use>
12. *The Catalyst*, May 2009, Volume I, Issue 4, p. 4
13. *The Catalyst*, October 2008, Volume I, Issue I, p. 4
14. *Leading The Way*, Spring 2007, cover and p. 3-4

Professional Consulting

2025-present	Consulting Expert Chinese National Higher Education Research Institute (CNHERI) Beijing, China
2022-present	Consulting Expert

VisasQ/Coleman Research
New York, New York, USA/Tokyo, Japan

2022-present **Consulting Expert**
Stream Media Group Holding Inc.
 New York, New York, USA

Company Boards

2024-present **Team Member and Team Lead Clinical Trial**
Glycosa
<https://glycosa.org/team>

Volunteer Work

2019-present **Volunteer**
The Rumie Initiative
 Work description: To develop and deliver low-cost technology that enables the distribution of digital learning resources to communities with limited internet service.
 Virtual

2017 **Volunteer**
Wildlife Action Group
 Work description: Protection of Malawi's wildlife and environment and assisting and supporting the Malawi government in the protection of national parks, game and forest reserves.
 Thuma Forest Reserve, Malawi

2005-2008 **Volunteer-Photographer**
Brooklyn Animal Foster
 Work description: Photograph works were used for preparing advertising materials and the organization's website.
 Brooklyn, New York

Languages

Bulgarian	native proficiency
English	full professional working proficiency
German	professional working proficiency
Russian	limited working proficiency