

## Curriculum Vitae

### Dimiter Bogdanov Avtanski, Ph.D.

*Director, Friedman Diabetes Institute Research Laboratory, New York, New York*  
*Associate Professor of Medicine at Hofstra Northwell School of Medicine, Hempstead, New York*  
*Assistant Professor at Center for Biomedical Science, Feinstein Institutes for Medical Research, Manhasset, New York*

### Contact Information

Friedman Diabetes Institute at Lenox Hill Hospital, Northwell Health  
Division of Endocrinology  
110 E 59<sup>th</sup> Street, 8<sup>th</sup> Floor, Room 837  
New York, NY 10022  
Phones: +1 (212) 434-3552 (*work*), +1 (313) 288-2675 (*cell*)  
Emails: davtanski@northwell.edu (*work*), dimiter@avtanski.com (*personal*)

### Education (Brief)

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

2019-current **Assistant Professor**  
The Feinstein Institutes for Medical Research, Center for Biomedical Science, Manhasset, New York, USA

2019-current **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-current **Director, Endocrine Research Laboratory**  
Lenox Hill Hospital, Northwell Health, Department of Endocrinology, Diabetes and Metabolism, New York, New York, USA

2015 **Adjunct Assistant Professor**  
Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Department of Reproductive Biotechnologies and Cryobiology of Gametes, Sofia, Bulgaria

2011-2015 **Post-Doctoral Fellow**  
Sidney Kimmel Cancer Comprehensive Center, Johns Hopkins University School of Medicine, Johns Hopkins University, Department of Oncology, Breast Cancer Program, Baltimore, Maryland, USA

Research project: *“Role of adipocytokines in initiation and progression of breast cancer”*

Mentor: Assoc. Prof. Dipali Sharma, Ph.D.

2008-2011

**Post-Doctoral Fellow**

Johns Hopkins University School of Medicine, Johns Hopkins University, Department of Pediatrics, Division of Endocrinology and Metabolism, Baltimore, Maryland, USA

Research project: *“Role of estrogens on somatotroph hormonal production”*

Mentor: Prof. Sally Radovick, M.D.

2001-2010

**Research Associate, 1<sup>st</sup> Degree** (2008-2010)

**Research Associate, 3<sup>rd</sup> Degree** (2002-2008)

**Biologist Specialist** (2001-2002)

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

2000-2001

**Visiting Scientist**

Institute of Anatomy, Faculty of Medicine, University of Leipzig, Leipzig, Germany

Research project: *“Ovarian macrophages as neuroendocrine cells in the ovarian cycle”*

Mentor: Prof. Katharina Spanel-Borowsky, M.D., Ph.D.

## Education (Extended)

2007

**Ph.D. (Subject: Physiology, Pathophysiology, and Pharmacology)**

Beth Israel Medical Center, Albert Einstein College of Medicine, Department of Endocrinology and Metabolism, New York, New York, USA

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

Dissertation thesis: *“Role of Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR $\gamma$ ) in the human ovary”*

Mentors: Prof. Leonid Poretsky, M.D., Assoc. Prof. Donna Seto-Young, Ph.D., Assoc. Prof. Rossitza Konakchieva, Ph.D.

2000

**M.Sc. (Subject: Biology and Chemistry)**

Sofia University, Sofia, Bulgaria

Master theses:

- 1) Master thesis 1: *“Steroidogenic function of the muscus duck ovary (Cairina moschata, L.)”*, Faculty of Biology, Department of Cell Biology, Histology, and Embryology  
Mentor: Assoc. Prof. Vesselin Penkov, Ph.D.
- 2) Master thesis 2: *“Model of educational software: Nitrogen cycle in nature”*, Faculty of Biology and Faculty of Chemistry, Department of Methodology of Biology Education and Department of Methodology of Chemistry Education  
Mentor: Assoc. Prof. Natalia Tzanova, Ph.D.

1996-2000

Sofia University *“St. Kliment Ochridsky”*, Faculty of Biology, Subject Biology and Chemistry, Sofia, Bulgaria

1995-1996

Plovdiv University *“Paisiy Hilendarski”* Faculty of Biology, Subject Biology and Chemistry, Plovdiv, Bulgaria

## Administrative Experience

- New laboratory set up: *architecture design, laboratory equipment set up, laboratory certification procedures, chemical user authorizations, biosafety certifications and activities, general lab maintenance, etc.*
- Laboratory management: *general laboratory management and maintenance of standard laboratory equipment*

- Research projects design
- Institutional Review Board (IRB) applications
- Research grants application
- Mentoring laboratory personnel: *technicians, research fellows, scientists, volunteers, etc.*

## Research Support

2019-current	<p><b>Transgender health aging study and registry</b>  <u>Sponsor:</u> Empire Clinical Research Investigator program (ECRIP), New York State Department of Health  <u>Project description:</u> (1) To establish a registry of transgender individuals for collaboration in future research projects; (2) To study conventional and novel cardiovascular risk factors in transgender individuals receiving gender-affirming hormone therapy using body composition, biomarkers, and noninvasive cardiovascular imaging.  <u>Role:</u> Mentor</p>
2017-current	<p><b>Role of resistin in obesity-induced insulin resistance</b>  <u>Sponsor:</u> Friedman Diabetes Institute  <u>Project description:</u> To investigate resistin interactions with adenylyl cyclase-associated protein 1 (CAP1) and to understand the molecular mechanisms behind the peripheral tissue insulin resistance. To reach this goal, we are implementing mouse models, human subjects and in vitro systems as well as we are working closely with our collaborators from Lenox Hill and Northern Westchester hospitals in New York City, The Feinstein Institute for Medical Research in Manhasset, NY, the University of Maryland and The Johns Hopkins University Schools of Medicine in Baltimore, MD and others.  <u>Role:</u> Principal Investigator</p>
2017-current	<p><b>Reproductive effects of irisin</b>  <u>Sponsor:</u> Friedman Diabetes Institute  <u>Project description:</u> To investigate how myo- and adipokine irisin may impact the hypothalamus-pituitary-gonadal axis by its direct effects on the pituitary and the ovary. The project involves human subjects and in vitro systems and is in collaboration with colleagues from Lenox Hill Hospital and Weill Medical College of Cornell University in New York City.  <u>Role:</u> Sub-Investigator</p>
2017-current	<p><b>Advanced glycation end-products and cardio-vascular complications in patients with diabetes</b>  <u>Sponsor:</u> Friedman Diabetes Institute  <u>Project description:</u> In this pilot study, we will investigate the potential of the advanced glycation end products (AGEs) as early markers for the development of cardio-vascular complications in patients with T2DM. The project is in collaboration with the Departments of Cardiology and Endocrinology at Lenox Hill Hospital and Icahn School of Medicine at Mount Sinai Hospital in New York City.  <u>Role:</u> Sub-Investigator</p>
2017-2019	<p><b>Theme: Interdisciplinary obesity research; Title: Obesity as a multifactorial disease: energy metabolism, insulin resistance, microbiome and endoscopic bariatric intervention in human obesity</b>  <u>Sponsor:</u> Empire Clinical Research Investigator program (ECRIP), New York State Department of Health  <u>Role:</u> Mentor</p>

## Institutional Review Board (IRB) Projects

- 2019 Project title: "Multidisciplinary registry research of transgender individuals", Northwell Health IRB (submitted application)
- 2017 Project title: "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
- 2017 Project title: "Evaluating serum concentrations of advanced glycation end-products as a predictor of coronary artery disease?", Northwell Health IRB, Study ID: 17-0676-LHH
- 2017 Project title: "Role of CAP1 in mediating resistin action in obesity-induced insulin resistance", Northwell Health IRB, Study ID: 16-772-LHH
- 2017 Project title: "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

## Teaching

- 2019 **2019 Summer Research Program**  
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York  
Role: Mentor  
Description: Summer research elective rotation program for first year medical students at the Hofstra University School of Medicine.
- 2018-current **Medical Scholars Pipeline Program (MSPP)**  
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York  
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.
- 2018-current **Endocrinology Basic Science Research Elective**  
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York  
Role: Mentor  
Description: Created and lead an elective course (4276: Endocrinology Basic Science Research) for 4<sup>th</sup> year medical students at Hofstra University.
- 2018-current **Basic Science Research Rotation**  
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York  
Role: Mentor  
Description: Hosting a rotation for medical school students between their first and second year to participate in research projects in the Endocrine Research Laboratory at Friedman Diabetes Institute, New York, New York
- 2017-current **Basice Science Research Rotation**

Lenox Hill Hospital, Northwell Health, New York, New York

Role: Mentor

Description: Developed and lead a research rotation for second year medical fellows at the Division of Endocrinology and Metabolism, Lenox Hill Hospital, Northwell Health.

2017-current

**Feinstein Institute Summer Intern Program**

The Feinstein Institutes for Medical Research, Manhasset, New York

Role: Mentor

Description: Hosting summer interns from The Feinstein Institutes for Medical Research at the Friedman Diabetes Institute basic research laboratory.

2010

**7<sup>th</sup> Framework Program of the European Union**

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

Role: Lecturer

Description: Developed and lectured methodological seminar “Quantitative RT-PCR analysis – opportunities, advantages, and uses in reproductive biology” under the 7<sup>th</sup> 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.

2010-2012

**Bulgarian Academy of Sciences**

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

Role: Lecturer and Research Associate

Description: Developed teaching activities under the 7<sup>th</sup> 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

**Professional Technical High School of Electronics, Sofia, Bulgaria**

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

Role: Teacher

Description: Taught Biology and Chemistry to 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grade students.

## Mentorship

### Friedman Diabetes Institute at Lenox Hill Hospital

06/2019-08/2019	<b>Udithi Kothapalli</b> , Summer Intern, Feinstein Summer Intern Program, The Feinstein Institute for Medical Research, Manhasset, NY; Sophomore, St. Anthony’s High School, South Huntington, NY
06/2019-08/2019	<b>Leo Satlof</b> , Summer Intern, Feinstein Institute for Medical Research, Manhasset, NY
06/2019-08/2019	<b>Noah Ziluck</b> , Summer Intern, Feinstein Institute for Medical Research, Manhasset, NY
06/2019-08/2019	<b>Maribel Lema</b> , Hofstra Summer Program, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, NY
09/2018-09/2019	<b>Karin Chen</b> , Empire Clinical Research Investigator (ECRIP) (New York State Department of Health) Fellow
07/2018-08/2018	<b>Aaron Lavi</b> , Summer Intern, Feinstein Summer Intern Program, Feinstein Institute for Medical Research, Manhasset, NY
06/2018-08/2018	<b>Leo Satlof</b> , Sophomore, Ethical Culture Fieldston School, New York, NY; Summer Intern, Feinstein Summer Intern Program, Feinstein Institute for Medical Research, Manhasset, NY

05/2018-07/2018	<b>Kajol Bahl</b> , Summer Intern, Feinstein Summer Intern Program, Feinstein Institute for Medical Research, Manhasset, NY
05/2018-07/2018	<b>Melanie Kaiser</b> , Summer Intern, Feinstein Summer Intern Program, Feinstein Institute for Medical Research, Manhasset, NY
05/2018-10/2018	<b>Daniel K. Weber</b> , Visiting Scholar, Feinstein Institute for Medical Research, Manhasset, NY
06/2018-08/2018	<b>Awlad Bhuiyan</b> , Visiting Scholar, Ross University School of Medicine, Portsmouth, Dominica
02/2018-08/2018	<b>Mikail J. Koroma, MD</b> , Empire Clinical Research Investigator (ECRIP) (New York State Department of Health) Fellow, Georgetown University, Washington, DC
09/2017-04/2018	<b>Beatriz C. Caraballo, MD</b> , Visiting Scientist, University of Carabobo, Maracay, Venezuela
09/2017-03/2018	<b>Priyanthan Thangeswaran, MD</b> , Visiting Scholar, Tianjin Medical University, Tianjin, China
08/2017	<b>Sahej Chohan</b> , Medical Pipeline High School Student, Thomas A. Edison Career and Technical Education High School, Jamaica, NY
07/2017-08/2017	<b>Sela Marin</b> , Summer Intern, Columbia Grammar and Preparatory School, New York, NY
07/2017-08-2017	<b>Aaron B. Lavi</b> , Summer Intern, Feinstein Summer Intern Program, Feinstein Institute for Medical Research, Manhasset, NY
07/2017-08/2017	<b>Julianna Bianco</b> , Summer Intern, Feinstein Summer Intern Program, Feinstein Institute for Medical Research, Manhasset, NY
05/2017-08/2017	<b>Christopher Ronca</b> , Visiting Scholar, Post-Baccalaureate Pre-Med Program, Columbia University, New York, New York
05/2017-06/2017	<b>Miroslava Varadinova, MD</b> , Visiting Scholar, Medical University of Sofia, Sofia, Bulgaria
02/2017-02/2018	<b>Anabel Garcia Corral</b> , Visiting Scientist and Friedman Research Fellow, Universidad Del Valle de Mexico, Hermosillo, Sonora, Mexico
12/2016-07/2017	<b>Valeriia M. Shnyder, MD</b> , Visiting Scientist, St. Petersburg First Pavlov State Medical University, St. Petersburg, Russia

#### Johns Hopkins University

2015	<b>Brian Meyers</b> , CMM program, Johns Hopkins University
2014	<b>Brandi Temple</b> , Xavier University of Louisiana, Summer Internship Program, Johns Hopkins University, Baltimore, MD
	<b>Yaileen D. Guzman Avocho</b> , University of Puerto Rico, CUPID Summer Fellowship Program, Johns Hopkins University, Baltimore, MD
2013	<b>Timothy Tiutan</b> , University of Arizona, College of Medicine, CUPID Summer Student Research, Johns Hopkins University, Baltimore, MD
	<b>Maran Palaniappan</b> , Summer Student, Johns Hopkins University, Baltimore, MD
	<b>Kabir Chhabra</b> , Summer Student, Johns Hopkins University, Baltimore, MD
2011	<b>Estefania Zapata-Rodriguez</b> , University of Puerto Rico, STEPUP Program, NIDDK, Johns Hopkins University, Baltimore, MD

#### 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, NY.
-----------	--

#### **Professional Service**

2019	<b>Mentor and Poster Judge</b> Mentoring and Poster Reception <i>The Endocrine Society's 101<sup>st</sup> Annual Meeting and Expo, March 24<sup>th</sup>, 2019, Ernest N. Morial Convention Center, New Orleans, Louisiana, USA</i>
2018	<b>Advisory Board Member</b> Elsevier

2018	<b>Poster Judge</b> Mentoring and Poster Reception <i>The Endocrine Society's 100<sup>th</sup> Annual Meeting and Expo, March 18<sup>th</sup>, 2018, Hyatt Regency McCormick Place, Chicago, Illinois, USA</i>
2016-current	<b>Member</b> Endocrine Fellowship Program Evaluation Committee (PEC), Northwell Health, New York, NY
2008-2009	<b>Vice President, Head of International Committee</b> Johns Hopkins Post-Doctoral Association (JHPDA)

### Memberships in Professional Organizations

2019-present	New York Academy of Sciences
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), Johns Hopkins University
2004-present	Endocrine Society (ENDO)

### Recognitions and Awards

2019	Top Peer Reviewer – Top 1% of reviewers in <i>Clinical Medicine</i> on Publons global reviewer database, Web of Science Group
2019	Top Peer Reviewer – Top 1% of reviewers in <i>Cross-Field</i> on Publons global reviewer database, Web of Science Group
2019	Recognized Reviewer – <i>Inorganic Chemistry Communications</i> journal, Elsevier
2019	1 <sup>st</sup> Place Poster Award – <i>6th Evening of Research, 2nd Annual Poster &amp; Podium Presentations</i> , May 15 <sup>th</sup> , 2019, Lenox Hill Hospital, Northwell Health, New York, New York, USA
2019	Project proposal " <i>Mechanism of resistin-induced metastasis in breast cancer</i> " selected to be the official Northwell Health grant proposal to Manhasset Women's Coalition Against Breast Cancer
2018	Outstanding Contribution in Reviewing Award, <i>Biomedicine &amp; Pharmacotherapy</i> journal, Elsevier
2018	Outstanding Contribution in Reviewing Award, <i>Metabolism</i> journal, Elsevier
2018	Publons 2018 Peer Review Awards: Top 1% in Field " <i>Biology &amp; Biochemistry</i> "
2018	Recognized Reviewer – <i>Biomedicine &amp; Pharmacotherapy</i> journal, Elsevier
2018	Student award (Aaron Lavi), 3 <sup>rd</sup> Place in Biology, SAAWA Science Fair, Nassau County, New York
2018	Student award (Aaron Lavi), High Honors, Senior Division, Long Island Science Congress, STANYS, New York
2018	Article " <i>Both Estrogen Receptor alpha and beta Stimulate Pituitary GH Gene Expression</i> " included in Highly Influential Expert database, BPG
2018	Abstract 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 selected for inclusion in a moderated poster session at The Endocrine Society's Annual Meeting (ENDO-2018), Chicago, Illinois, USA

- 2018 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
- 2017 Outstanding Reviewer – *Nutrition, Metabolism and Cardiovascular Diseases* journal, Elsevier
- 2017 Recognized Reviewer – *Nutrition, Metabolism and Cardiovascular Diseases* journal, Elsevier
- 2017 Recognized Reviewer – *Metabolism* journal, Elsevier
- 2017 1<sup>st</sup> place abstract award, The Auxiliary of Lenox Hill Hospital, 3<sup>rd</sup> Lenox Hill Evening of Research, New York, New York, USA
- 2017 Abstract selected for presentation at 2017 Rachmiel Levine-Arthur Riggs Diabetes Research Symposium, Orlando, Florida, USA
- 2016 Outstanding Reviewer – *Metabolism* journal, Elsevier
- 2016 Top in Each Field: Ranked by Publons in Top 100 peer-reviewers in category “*Biochemistry, Genetics and Molecular Biology*”
- 2010 Award winner and photograph work publication: *National Geographic* magazine (USA), *Daily Dozen* award for the photography “*Fishermen in the Gulf of Mexico*”, February 9<sup>th</sup>, 2010
- 2004-2008 *Thanks To Scandinavia Foundation* scholarship

## Editorial Activities

### Editor Positions

- 2018 **Associate Editor**  
*Molecular Medicine* journal (BMC)
- 2018 **Honorable Editor**  
*CPQ Medicine (CPQME)* journal (Cient Periodique)
- 2018 **Academic Editor**  
*Journal of Diabetes and Clinical Research* (Scientific Archives LLC)

### Editorial Board Memberships

- 2018 **Editorial Board Member**  
*International Journal of Clinical Oncology and Cancer Research* (Science Publishing Group)
- 2018 **Editor**  
*Molecular Medicine Letters* (Gratis Open Access Publishers)
- 2018 **Editorial Board Member**  
*Journal of Food Science and Nutrition Research* (Fortune Journals)
- 2018 **Editorial Board Member**  
*Global Scientific Research Journals* (GSR)
- 2018 **Editorial Board Member**  
*Annals of Medical and Clinical Oncology* (Gavin Publishers)
- 2018 **Editorial Board Member**  
*World Journal of Diabetes* (BPG) (Baishideng Publishing Group)

### Editor Assignments

Total number: 37



Peer Reviews

Total number: 218  
 Journals reviewed: *Oncogene* (Nature Publishing Group), IF (2014): 8.459  
*Oncotarget* (Impact Journals), 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  
*Endocrine* (Springer), IF (2014): 3.878  
*Nutrition, Metabolism & Cardiovascular Diseases* (Elsevier), IF (2015/2016): 3.63  
*Journal of Pharmacy and Pharmacology* (Wiley-Blackwell, Royal Pharmaceutical Society of Great Britain), IF (2014): 2.264  
*Biomedicine & Pharmacotherapy* (Elsevier)  
*Cardiovascular & Hematological Disorders – Drug Targets* (Bentham Science)  
*Current Nanomaterials* (Bentham Science)  
*Endocrine, Metabolic & Immune Disorders – Drug Targets* (Bentham Science), IF (2017): 1.897  
*Bioelectronic Medicine* (The Feinstein Institute for Medical Research)  
*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)  
 Etc.

**Other Reviews**

2017 Cell Signaling Biotechnology, Danvers, Massachusetts  
 Reviewed educational diagrams for epithelial to mesenchymal transition  
 (<https://www.cellsignal.com/contents/science-cst-pathways-stem-cell-markers/contribution-of-soluble-factors-to-emt-interactive-signaling-pathway/pathways-emt-soluble-factors>).

**Languages**

Bulgarian: *native language*  
 English: *full professional proficiency*  
 German: *minimum professional proficiency*  
 Russian: *minimum professional proficiency*

**Scores**

Citations:

Citation Indices	All	Last 5 years
Citations	557	391
h-index	9	9
i10-index	9	9

**Volunteer Work**

2019 **Volunteer**, The Rumie Initiative  
Work description: To educate children in underserved communities around the world using affordable technology.

2017 **Volunteer**, Wildlife Action Group, Thuma Forest Reserve, Malawi

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.

2005-2008

**Volunteer-Photographer**, Brooklyn Animal Foster, Brooklyn, NY

Work description: Photograph works were used for preparing advertising materials and the organization website.

## Invited Talks

### Meetings

1. "Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor" – 5<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders, May, 14<sup>th</sup>, 2019, Manhasset, New York
2. "Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming" – 4<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders, April 10<sup>th</sup>, 2018, Manhasset, New York

### Seminars

3. "Both estrogen receptor alpha and beta stimulate pituitary GH gene expression" – Prostate Cancer Laboratory Seminar Series, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, The Johns Hopkins University, September 26<sup>th</sup>, 2011, Baltimore, Maryland
4. "Role of estrogens in regulation of somatotroph hormonal production" – Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, April 20<sup>th</sup>, 2011, Sofia, Bulgaria
5. "Insulin-independent and insulin-dependent effects of thiazolidinediones in the human ovary" – Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, September 21<sup>st</sup>, 2006, Sofia, Bulgaria

### Department Seminars

6. "ADA-2019 meeting: Highlights" – Lenox Hill Hospital, Division of Endocrinology and Metabolism Seminar Series, June 25<sup>th</sup>, 2019, New York, New York
7. "Resistin and breast cancer metastasis" – Lenox Hill Hospital Division of Endocrinology and Metabolism Seminar Series, February, 27<sup>th</sup>, 2018, New York, New York
8. "Endocrinology Division: Research update" – Lenox Hill Hospital Division of Endocrinology and Metabolism Seminar Series, October, 17<sup>th</sup>, 2017, New York, New York
9. "Adipokines, insulin resistance and reproduction" – Lenox Hill Hospital Division of Endocrinology and Metabolism Seminar Series, February, 7<sup>th</sup>, 2017, New York, New York
10. "Research update" – Lenox Hill Hospital Division of Endocrinology and Metabolism Seminar Series, November, 1<sup>st</sup>, 2016, New York, New York
11. "Strategies to overcome leptin signaling in breast cancer" – Breast Cancer Program Seminar Series, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, The Johns Hopkins University, March 10<sup>th</sup>, 2015, Baltimore, Maryland
12. "Oncogenic role of leptin in breast cancer" – Breast Cancer Program Seminar Series, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, The Johns Hopkins University, March 4<sup>th</sup>, 2013, Baltimore, Maryland
13. "Direct effects of estrogens on somatotroph function" – Division of Endocrinology Seminar Series, Johns Hopkins University School of Medicine, November 20<sup>th</sup>, 2009, Baltimore, Maryland

### Courses Invitations

14. "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

## Research Publications

1. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D** 2019 Effect of cobalt(II) chloride (CoCl<sub>2</sub>) treatment on cytokine secretion of human breast cancer cells. *Data Brief*. (manuscript in revision)
2. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D** 2019 Cytokine expression in breast cancer cells—MILLIPLEX assay data. *Data Brief*. (manuscript in revision)
3. **Avtanski D**, Pavlov VA, Tracey KJ, Poretsky L 2019 Characterization of inflammation and insulin resistance in high-fat diet-induced C57Bl/6J mouse model of obesity. *Animal Models and Experimental Medicine*, DOI: 10.1022/ame2.12084
4. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Marin S, Bianco J, Lavi A, Poretsky L 2019 *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*. **25**:104118, DOI: <https://doi.org/10.1016/j.dib.2019.104118>
5. **Avtanski D**, Chen K, Poretsky L 2019 Resistin and adenylyl cyclase-associated protein 1 (CAP1) regulate the expression of genes related to insulin resistance in BNL CL2 mouse liver cells. *Data Brief*. **25**:104112, DOI: 10.1016/j.dib.2019.104112
6. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Marin S, Bianco J, Lavi A, Poretsky L 2019 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* **120(2019)**:155-64, <https://doi.org/10.1016/J.CYTO.2019.04.016> (IF = 3.488)
7. Seto-Young D, **Avtanski D**, So-Young K, Sy V, Liao E, Liu G, Wan S, Lesser M, Poretsky L 2017 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*, **3(5)**:1-4, DOI: 10.15761/COGRM.1000194
8. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L 2017 The readmission rates in patients with *versus* those without *diabetes mellitus* at an urban teaching hospital. *J Diabetes Complications*, **31(12)**:1681-5, DOI: 10.1016/k/diacomp.2017.07.006 (IF = 3.290)
9. Poretsky L, Islam J, **Avtanski D**, Lin YK, Shen YL, Hirth Y, Lesser M, Rosenwaks Z, Seto-Young D 2017 Reproductive effects of irisin: Initial *in vitro* studies. *Reprod Biol*, **17(2017)**:285-288, DOI: 10.1016/j.reprobio.2017.05.011 (IF = 1.722)
10. **Avtanski D**, Nagalingam A, Tomaszewski JE, Risbood P, Difillippantonio MJ, Saxena NK, Sharma D 2016 Indolo-pyrido-isoquinolin based alkaloid inhibits growth, invasion and migration of breast cancer cells via activation of p53-miR34a axis. *Mol Oncol*, **10(7)**:1118-32 (IF = 5.331)
11. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Poretsky L, Seto-Young D 2016 *In vitro* effects of pioglitazone on the expression of components of Wnt signaling pathway and markers of bone mineralization. *Horm Metab Res*, **48(7)**:468-75, DOI: 10.1055/s-0042-101027 (IF = 2.121)
12. **Avtanski D**, Nagalingam A, Bonner MY, Arbiser JL, Saxena NK, Sharma D 2015 Honokiol activates LKB1-miR-34a axis and antagonizes the oncogenic actions of leptin in breast cancer. *Oncotarget* **6(30)**:29947-62 (IF = 6.627)
13. **Avtanski D**, Nagalingam A, Kuppusamy P, Bonner M, Arbiser JL, Saxena N, Sharma D 2015 Honokiol abrogates leptin-induced tumor progression by inhibiting Wnt1-MTA1- $\beta$ -catenin signaling axis in a microRNA-34a-dependent manner. *Oncotarget* **6(18)**:16396-410 (IF = 6.627)
14. **Avtanski DB**, Nagalingam A, Bonner MY, Arbiser JL, Saxena NK, Sharma D 2014 Honokiol inhibits epithelial-mesenchymal transition in breast cancer cells by targeting signal transducer and activator of transcription 3/Zeb1/E-cadherin axis. *Molecular Oncology*, **8(3)**:565-80 (IF = 5.935)
15. **Avtanski D**, Novaira H, Wu S, Romero CJ, Kineman R, Lague RM, Wondisford F, Radovick S 2014 Both Estrogen Receptor Alpha and Beta Stimulate Pituitary GH Gene Expression. *Mol Endocrinol*, **28(1)**:40-52 (IF = 4.201)
16. Yan D, **Avtanski D**, Saxena NK, Sharma D 2012 Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires  $\beta$ -catenin activation via Akt/GSK3-dependent and MTA1/Wnt1-dependent pathways. *J Biol Chem*, **287(11)**:8598-612 (IF = 4.651)
17. Seto-Young D, **Avtanski D**, Varadinova M, Park A, Suwandhi P, Leiser A, Parikh G, Poretsky L 2011 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* **43(6)**:386-90 (IF = 2.188)
18. Seto-Young D, **Avtanski D**, Parikh G, Suwandhi P, Strizhevsky M, Araki T, Rosenwaks Z, Poretsky L 2011 Rosiglitazone and pioglitazone inhibit estrogen synthesis in human granulosa cells by interfering with androgen binding to aromatase. *Horm Metab Res* **43(4)**:250-6 (IF = 2.188)

19. Seto-Young D, **Avtanski D**, Strizhevsky M, Parikh G, Patel P, Kaplun J, Holcomb K, Rosenwaks Z, Poretsky L 2007 Interactions among peroxisome proliferator activated receptor- $\gamma$ , insulin signaling pathways and steroidogenic acute regulatory protein in human ovarian cells. *J Clin Endocrinol Metab* **92(6)**:2232-9 (IF = 5.493)
20. **Avtanski D** 2006 Action of thiazolidinediones on the steroidogenesis in the human ovary: *in vitro* study. *Endocrinologia* **XI(3)**:170-177
21. Seto-Young D, Paliou M, Schlosser J, **Avtanski D**, Park A, Patel P, Holcomb K, Chang P, Poretsky L 2005 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* **90(11)**:6099-6105 (IF = 6.02)
22. **Avtanski D**, Tzanova N, Boyadjieva E 2003 Model of educational software: Nitrogen cycle in nature (article in Bulgarian). *9<sup>me</sup> Session Scientifique, Sofia '01, Annuaire de l'Universite de Sofia "St. Kliment Ohridski"* **95(4)**:307-12

### Other Scientific Publications

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

### Review Articles

1. **Avtanski D**, Poretsky L 2018 Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *Molecular Medicine* **24(1)**:29-45

### Book Chapters

1. **Avtanski D**, Garcia A, Liao E 2018 Vitamin D and obesity. In: Liao E. (eds) Extraskelatal effects of vitamin D. Contemporary Endocrinology. Humana Press, Cham, p. 165-81. Print ISBN 978-3-319-73741-6, Online ISBN 978-3-319-73742-3, DOI: [https://doi.org/10.1007/978-3-319-73742-3\\_9](https://doi.org/10.1007/978-3-319-73742-3_9)

### Conference Proceedings

1. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. 2019 Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *Cancer Research*, Volume 79(Suppl 13):310; DOI: 10.1158/1538-7445.AM2019-310
2. Basman C, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Rashid U, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L 2019 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*, Volume 68(Suppl 1):2215-PUB; <https://doi.org/10.2337/db19-2215-PUB>
3. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. 2019 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*, Volume 60;Apr 2019, Part A: Abstracts 1-2758
4. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L 2019 Proinflammatory cytokines modulate resistin expression in breast cancer cells. *Journal of the Endocrine Society* Volume 3(Suppl. 1):SAT-334, <https://doi.org/10.1210/js.2019-SAT-334>
5. Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Chen K, Poretsky L, **Avtanski D** 2019 Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *Journal of the Endocrine Society* Volume 3(Suppl. 1):SAT-335, <https://doi.org/10.1210/js.2019-SAT-335>
6. **Avtanski D**, Poretsky L 2018 Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *IEEE 3<sup>rd</sup> International Conference on Nano/Molecular Medicine and Engineering*, Springer Nature, Volume 24; doi:10.1186/s10020-018-0032-7

7. **Avtanski D**, Caraballo B, Poretsky L 2018 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* **5**:37, DOI: 10.4172/2376-0419-C2-029
8. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L 2018 Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating insulin actions in mouse liver cells. *Diabetes* **67(Suppl 1)**:1754-P, DOI: <https://doi.org/10.2337/db18-1754-P>
9. Nagalingam A, **Avtanski D**, Tomaszewski J, Prabhakar R, Difillippantonio M, Mears B, Saxena N, Malhotra S, Sharma D 2016 Indolo-pyrido-isoquinolin based alkaloid inhibits epithelial-mesenchymal transition and stemness via activation of p53-miR-34a axis. *Cancer Research* **76(14)**:1228, DOI: 10.1158/1538-7445.AM2016-1228
10. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D 2016 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, p. SUN-104
11. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young DLT 2016 *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, p. SUN-352
12. **Avtanski D**, Bonner MY, Tiutan TP, Arbiser JL, Saxena NK, Sharma D 2014 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* **74(19)**:LB-187, DOI: 10.1158/1538-7445.AM2014-LB-187
13. Sharma D, **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N 2013 A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Cancer Research* **73(24)**:P1-07-04, DOI: 10.1158/0008-5472.SABCS13-P1-07-04
14. **Avtanski DB**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D 2013 Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *Cancer Research* **73(8)**:299, DOI: 10.1158/1538-7445.AM2013-299
15. **Avtanski DB**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D 2013 A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Cancer Research* **73(8)**:5497, DOI: 10.1158/1538-7445.AM2013-5497
16. **Avtanski D**, Pine-Twaddell E, Kineman R, Wondisford F, Radovick S 2011 Estrogens regulate somatotroph hormonal production directly through estrogen receptor-alpha. *Book: Basic/Translational-Pituitary Biology & Tumorigenesis*, Endocrine Society, p. P1-387, DOI: <http://dx.doi.org/10.1210/endo-meetings.2011.PART2.P2.P1-387>
17. Twaddell EDP, Miller RS, Romero C, **Avtanski D**, Radovick S 2011 Effect of CBP phosphorylation on growth hormone signaling in the somatotroph. *Book: Basic/Translational-Growth Hormone & Prolactin*, Endocrine Society, p. P2-338
18. **Avtanski D**, Wondisford F, Radovick S 2010 Enhanced GH gene expression by estrogen receptor activation. *Book: Posters V*, Endocrine Society, p. P3-241

## Data Repositories

1. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D** 2019 Basal cytokine secretion in human breast cancer cells and non-carcinogenic breast epithelial cells – 41-cytokine MILLIPLEX assay data. *Mendeley Data*, V1, DOI: 10.17632/tvt8zm37w5.2, <http://dx.doi.org/10.17632/tvt8zm37w5.2>

## Meeting Presentations

### Oral Presentations

1. **Avtanski D** 2019 Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *5<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14<sup>th</sup> 2019, Manhasset, New York
2. Garcia A, Caraballo B, Thanges P, Bianco J, Marin S, Lavi A, Poretsky L, **Avtanski D** 2018 Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *11<sup>th</sup> Annual Gerald J. Friedman Fellows Symposium: Nutrition, Diabetes, and Human Health*, November 14<sup>th</sup>, 2018

3. **Avtanski D**, Caraballo B, Poretsky L 2018 Targeting resistin signaling pathway as a strategy for enhancing the effect of chemotherapy drugs in reducing breast cancer cells aggressiveness. *15<sup>th</sup> International Conference on Pharmaceutical Formulations & Drug Delivery*, September 17<sup>th</sup>-18<sup>th</sup>, 2018, Philadelphia, Pennsylvania, USA, DOI: 10.4172/2376-0419-C2-029
4. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L 2018 Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *4<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10<sup>th</sup>, 2018, Manhasset, New York
5. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L 2018 Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *The Endocrine Society's 100<sup>th</sup> Annual Meeting & Expo, Session MP19, Moderated Posters: Tumor Biology I*, Chicago, Illinois
6. Garcia A, Caraballo B, Thangeswaran P, Marin S, Bianco J, Lavi A, Ronca C, Poretsky L, **Avtanski D** 2017 Resistin increases breast cancer invasiveness by potentiating cellular mesenchymal transition. *3<sup>rd</sup> Lenox Hill Evening of Research*, New York, New York – **1<sup>st</sup> place abstract award**
7. Georgiev G, **Avtanski D**, Konakchieva R 2008 *In vitro* modulation of ovarian cells steroid secretion under glucocorticosteroid resistance *Scientific Session Dedicated at the 70<sup>th</sup> Anniversary of the Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences*, Sofia, Bulgaria
8. Araki T, **Avtanski D**, Parikh G, Goldman M, Rosenwaks Z, Poretsky L 2006 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, New York, New York*
9. Seto-Young D, **Avtanski D**, Poretsky L 2006 Insulin and peroxisome proliferator activated receptor  $\gamma$  signaling in human ovary – basic mechanisms and clinical implications. *11<sup>th</sup> International Symposium of Immunology of Reproduction*, Varna, Bulgaria
10. **Avtanski D**, Seto-Young D, Konakchieva R, Poretsky L 2006 The human ovary – target of PPAR $\alpha$ -mediated action of thiazolidinediones. *7<sup>th</sup> National Congress on Sterility, Contraception and Hormone Replacement Therapy*, Borovetz, Bulgaria
11. **Avtanski D**, Konakchieva R 2001 Immunomodulation by melatonin. *9<sup>th</sup> Scientific Session of the Faculty of Biology, Sofia University*, Sofia, Bulgaria
12. **Avtanski D**, Kehayov I, Konakchieva R 2001 Calcium-binding proteins of the S100 family are targeted by glucocorticoids in process of differentiation and apoptosis. *9<sup>th</sup> Scientific Session of the Faculty of Biology, Sofia University*, Sofia, Bulgaria
13. **Avtanski D**, Tzanova N 2001 Model of educational software: Nitrogen cycle in nature. *9<sup>th</sup> Scientific Session of the Faculty of Biology, Sofia University*, Sofia, Bulgaria
14. **Avtanski D**, Penkov V 2000 Follicular atresia in muscus duck (*Cairina moschata*, L.). *National Student Scientific Session, Sofia University and Sofia Medical University*, Sofia, Bulgaria
15. **Avtanski D** 1998 Histochemical study of the ovary of muscus duck (*Cairina moschata*, L.) regarding its steroidogenic function. *Student Scientific Conference of the Faculty of Biology, Sofia University*, Sofia, Bulgaria

#### Poster Presentations

16. Lema M, **Avtanski D** 2019 Role of AXL tyrosine kinase receptor in mediating resistin actions on epithelial to mesenchymal transition in breast cancer cells. *2019 Scholarships Day*, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, November 6<sup>th</sup>, 2019, Hempstead, New York
17. Ziluck N, Satlof L, Kothapalli U, Lema M, Chen K, Poretsky L, **Avtanski D** 2019 The effect of hypoxia on cytokine secretion in breast cancer cells. *The Feinstein Institute Summer Students Poster Presentation*, Manhasset, New York
18. Satlof L, Chen K, Weber D, Poretsky L, **Avtanski D** 2019 The role of tyrosine kinase receptor AXL in resistin-mediated epithelial to mesenchymal transition (EMT) *The Feinstein Institute Summer Students Poster Presentation*, Manhasset, New York
19. Kothapalli U, Satlof L, Chen K, Ziluck N, Lema M, Poretsky L, **Avtanski D** 2019 The effects of hypoxia on hypoxia-inducible factor 1 alpha (HIF-1 $\alpha$ ) and carbonic anhydrase 9 (CA9) expression in various breast cancer cell lines. *The Feinstein Institute Summer Students Poster Presentation*, Manhasset, New York
20. **Avtanski D**, Poretsky L 2019 Tumor microenvironment proinflammatory cytokines modulate secretory activity of breast cancer cells – *in vitro* study. *Tumor Microenvironments: Mechanisms and Therapeutic Implications 6<sup>th</sup> Annual*

- Symposium*, Memorial Sloan Kettering Cancer Center and Weill Cornell Medicine, July 19<sup>th</sup>, 2019, New York, New York – Abstract # 2
21. Basman C, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Rashid U, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L 2019 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 79<sup>th</sup> Scientific Sessions*, San Francisco, California – Abstract # 2215-PUB
  22. Chen K, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Poretsky L, **Avtanski D** 2019 Proinflammatory cytokines modulate resistin expression in breast cancer cells. *6<sup>th</sup> Evening of Research, 2<sup>nd</sup> Annual Research Poster & Podium Presentations*, May 15<sup>th</sup>, 2019, Lenox Hill Hospital, Northwell Health, New York, New York – Abstract # 25 – **1<sup>st</sup> Place Poster Award**
  23. Chen K, Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Poretsky L, **Avtanski D** 2019 Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *5<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14<sup>th</sup>, 2019, Manhasset, New York – Abstract # 4
  24. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L 2019 Proinflammatory cytokines modulate resistin expression in breast cancer cells. *5<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14<sup>th</sup>, 2019, Manhasset, New York – Abstract # 1
  25. Jonas R, Basman C, **Avtanski D**, Chen K, Kodra A, Rashid U, Fishman S, Singh V, Poretsky L 2019 Evaluating serum concentrations of advanced glycation end-products as predictors of coronary artery disease. *5<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14<sup>th</sup>, 2019, Manhasset, New York – Abstract # 9
  26. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D 2019 Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *American Association for Cancer Research (AACR) Annual Meeting*, March 29<sup>th</sup>-April 3<sup>rd</sup>, 2019, Atlanta, Georgia, USA, Abstract # 310/1
  27. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L 2019 Proinflammatory cytokines modulate resistin expression in breast cancer cells. *The Endocrine Society's Annual Meeting (ENDO 2019)*, March 23<sup>rd</sup>-26<sup>th</sup>, 2019, New Orleans, Louisiana – Abstract # SAT-334
  28. Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Chen K, Poretsky L, **Avtanski D** 2019 Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *The Endocrine Society's Annual Meeting (ENDO 2019)*, March 23<sup>rd</sup>-26<sup>th</sup>, 2019, New Orleans, Louisiana – Abstract # SAT-335
  29. Chen K, Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Poretsky L, **Avtanski D** 2019 Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *Feinstein Scientific Retreat*, February 27<sup>th</sup>, 2019, New Hyde Park, New York – Abstract # 13
  30. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L 2019 Proinflammatory cytokines modulate resistin expression in breast cancer cells. *Feinstein Scientific Retreat*, February 27<sup>th</sup>, 2019, New Hyde Park, New York – Abstract # 14
  31. Rashid U, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Basman C, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L 2019 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 27<sup>th</sup>, 2019, New Hyde Park, New York – Abstract # 45
  32. **Avtanski D**, Poretsky L 2018 Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *IEEE 3<sup>rd</sup> International Conference on Nano/Molecular Medicine and Engineering*
  33. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L 2018 Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *11<sup>th</sup> Annual Gerald J. Friedman Fellows Symposium: Nutrition, Diabetes, and Human Health*, November 14<sup>th</sup>, 2018
  34. Lavi A, Weber D, Satlof L, Poretsky L, **Avtanski D** 2018 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*, Manhasset, New York
  35. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L 2018 Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *American Diabetes Association 78<sup>th</sup> Scientific Sessions*, Orlando, Florida – Abstract # 1754-P

36. Koroma M, Caraballo B, Thangeswaran P, Poretsky L, **Avtanski D** 2018 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*, Hempstead, New York – Abstract # BS4
37. Koroma M, **Avtanski D**, Vegesna A, Spector YJ, Okolo P, Benias P, Roland B, Miller L, Poretsky L 2018 Obesity as a multifactorial disease: Energy metabolism, insulin resistance, endoscopic bariatric intervention and the pathophysiology of small intestinal bacterial overgrowth (SIBO) in human obesity. *4<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10<sup>th</sup>, 2018, Manhasset, New York – Abstract # 6
38. Basman C, Fishman S, Sonmez H, **Avtanski D**, Stoffels G, Singh V, Poretsky L 2018 The role of circulating advanced glycation end-products (AGEs) in predicting clinically significant coronary artery disease. *4<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10<sup>th</sup>, 2018, Manhasset, New York – Abstract # 3
39. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L 2018 Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *4<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10<sup>th</sup>, 2018, Manhasset, New York – Abstract # 2
40. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Lavi A, Bianco J, Marin S, Ronca C, Poretsky L 2018 Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *4<sup>th</sup> Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10<sup>th</sup>, 2018, Manhasset, New York – Abstract # 1
41. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Lavi A, Bianco J, Marin S, Ronca C, Poretsky L 2018 Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *The Endocrine Society's 100<sup>th</sup> Annual Meeting & Expo*, Chicago, Illinois – Abstract # SUN-141
42. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L 2018 Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *The Endocrine Society's 100<sup>th</sup> Annual Meeting & Expo*, Chicago, Illinois – Abstract # SAT-329 – **abstract selected for inclusion in a moderated poster session**
43. Lavi A, Marin S, Bianco J, Ronca C, Garcia A, Poretsky L, **Avtanski D** 2017 Resistin interferes with insulin signaling by modulating GLUT4 and CAP1 cellular translocation. *The Feinstein Institute Summer Students Poster Presentation*, Manhasset, New York
44. Bianco J, Lavi A, Marin S, Ronca C, Garcia A, Poretsky L, **Avtanski D** 2017 Resistin increases breast cancer cell invasiveness by potentiating their mesenchymal transition. *The Feinstein Institute Summer Students Poster Presentation*, Manhasset, New York
45. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L 2017 The readmission rates in patients with and without *diabetes mellitus* at an urban teaching hospital. *American Diabetes Association's 77<sup>th</sup> Scientific Sessions*, San Diego, California, USA – Abstract # 1352-P
46. Islam JR, Seto-Young D, **Avtanski D**, Lin YK, Shen S, Hirth Y, Lesser M, Rosenwaks Z, Poretsky L. 2017 The effects of irisin in reproductive system – Update 2017. *10<sup>th</sup> Annual Gerald J. Friedman Fellows Symposium 2017: Nutrition, Diabetes, and Human Health*, Chicago, Illinois
47. Garcia A, **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L 2017 Effect of high-fat diet on cofilin and MMP9 protein expression in diet-induced obesity mouse model. *10<sup>th</sup> Annual Gerald J. Friedman Fellows Symposium 2017*, Chicago, Illinois
48. Garcia A, **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L 2017 Effect of obesity on resistin and adenylyl cyclase-associated protein 1 (CAP1) expression in white adipose tissue. *10<sup>th</sup> Annual Gerald J. Friedman Fellows Symposium 2017*, Chicago, Illinois
49. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L 2017 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)*, Orlando, Florida, USA – Abstract # SAT-573
50. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L 2017 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*, Orlando, Florida, USA – Abstract # LRS-3 – **The Endocrine Society's Annual Meeting poster awarded for presentation at R. Levine-A. Riggs Symposium**
51. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Garcia A, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L 2017 Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model.



- 3<sup>rd</sup> Annual Feinstein Symposium: Diabetes, Endocrinology and Metabolic Disorders, Manhasset, New York, USA – Abstract # 8
52. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L 2017 The readmission rates in patients with and without diabetes mellitus at an urban teaching hospital. 3<sup>rd</sup> Annual Feinstein Symposium: Diabetes, Endocrinology and Metabolic Disorders, Manhasset, New York, USA – Abstract # 10
  53. Nagalingam A, **Avtanski D**, Tomaszewski J, Prabhakar R, Difillippantonio M, Mears B, Saxena N, Malhotra S, Sharma D 2016 Indolo-pyrido-isoquinolin based alkaloid inhibits epithelial-mesenchymal transition and stemness via activation of p53-miR-34a axis. American Association for Cancer Research (AACR) Annual Meeting, New Orleans, Louisiana, USA, Abstract # 1228
  54. Islam J, Seto-Young D, **Avtanski D**, Lesser M, Rozenwaks Z, Poretsky L 2016 Update: Does irisin has an effect on female reproductive function? Initial *in vitro* studies. 9<sup>th</sup> Annual Gerald J. Friedman Fellows Symposium, New Orleans, Louisiana, USA
  55. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young D 2016 *In vitro* effects of pioglitazone on the expression of Wnt signaling pathway components and markers of bone mineralization. 2<sup>nd</sup> Feinstein Institute Research Symposium: Diabetes & Metabolic Disorders, Manhasset, New York, USA – Abstract # 2
  56. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D 2016 Natural phenolic compound honokiol inhibits leptin-induced epithelial to mesenchymal transition in breast cancer. The Endocrine Society's Annual Meeting (ENDO 2016), Boston, Massachusetts, USA – Abstract # SUN 104
  57. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young D 2016 *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), Boston, Massachusetts, USA – Abstract # SUN 352
  58. Malhotra SV, Tomaszewski JE, Difillippantonio M, Risbood PA, Nagalingam A, **Avtanski D**, Sharma D 2015 Indolo-pyrido-isoquinolin based alkaloid inhibits growth of breast cancer cells Division of Medicinal Chemistry 250<sup>th</sup> National Meeting and Exposition, Boston, Massachusetts, USA – Abstract # MEDI 193
  59. **Avtanski D**, Tiutan T, Saxena N, Sharma D 2014 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. 7<sup>th</sup> Annual Safeway Breast Cancer Retreat, Baltimore, Maryland, USA – Abstract # 2
  60. **Avtanski D**, Tiutan T, Saxena N, Sharma D 2014 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, Baltimore, Maryland, USA, Abstract # 3
  61. **Avtanski D**, Tiutan T, Saxena N, Sharma D 2014 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. American Association for Cancer Research (AACR) Annual Meeting, San Diego, California, USA, Abstract # LB-187
  62. Sharma D, **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N 2013 A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. 2013 San Antonio Breast Cancer Symposium, San Antonio, Texas, USA, Abstract #851732
  63. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D 2013 A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. Johns Hopkins Post-Doctoral Symposium, Baltimore, Maryland, USA
  64. **Avtanski D**, Kuie Lin Y, Hirth Y, Babushkin N, Sy V, Seth A, Pareek A, Sharma D, Poretsky L, Seto-Young D 2013 Thiazolidinedione effects on the mineral content and the components of the Wnt signaling pathway in human osteoblasts. The Endocrine Society's 95<sup>th</sup> Annual Meeting, San Francisco, California, USA, Abstract #4659
  65. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D 2013 Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. 6<sup>th</sup> Annual Safeway Breast Cancer Research Retreat 2013, Baltimore, Maryland, USA
  66. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D 2013 A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. 6<sup>th</sup> Annual Safeway Breast Cancer Research Retreat 2013, Baltimore, Maryland, USA
  67. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D 2013 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, Baltimore, Maryland, USA, Abstract # 4

68. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D 2013 A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *American Association for Cancer Research (AACR) Annual Meeting*, Washington, District of Columbia, USA, Abstract # 5497
69. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D 2013 Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *American Association for Cancer Research (AACR) Annual Meeting*, Washington, District of Columbia, USA, Abstract # 299
70. **Avtanski D**, Yan D, Saxena NK, Sharma D 2012 Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires  $\beta$ -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *5<sup>th</sup> Annual Safeway Breast Cancer Retreat*, Baltimore, Maryland, USA – Abstract #1
71. **Avtanski D**, Yan D, Saxena NK, Sharma D 2012 Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires  $\beta$ -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *The Johns Hopkins University Sidney Kimmel Comprehensive Cancer Center Fellow Research Day 2012*, Baltimore, Maryland, USA, Abstract #5
72. **Avtanski D**, Yan D, Saxena NK, Sharma D 2012 Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires  $\beta$ -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *The Johns Hopkins Institute for NanoBio Technology Symposium: Cancer: The Big Picture*, Baltimore, Maryland, USA, Abstract #70
73. Yan D, **Avtanski D**, Saxena NK, Sharma D 2012 Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires  $\beta$ -catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *American Association for Cancer Research (AACR) Annual Meeting*, Chicago, Illinois, USA, Abstract #349
74. Zapata-Rodrigues E, Sinha Roy S, **Avtanski D**, Nagalingam A 2011 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)*, St. Louis, Missouri, USA, Abstract #488
75. **Avtanski D**, Pine-Twaddell E, Kineman R, Wondisford F, Radovick S 2011 Estrogens regulate somatotroph hormonal production directly through estrogen receptor alpha. *The Endocrine Society's 93<sup>rd</sup> Annual Meeting*, Boston, Massachusetts, USA, Abstract #P1-387
76. Pine-Twaddell E, Miller R, Romero C, **Avtanski D**, Radovick S 2011 Effect of CBP phosphorylation on growth hormone signaling in the somatotroph. *The Endocrine Society's 93<sup>rd</sup> Annual Meeting*, Boston, Massachusetts, USA, Abstract #P2-338
77. **Avtanski D**, Wondisford F, Radovick S 2010 Enhanced GH gene expression by estrogen receptor activation. *The Endocrine Society's 92<sup>nd</sup> Annual Meeting*, San Diego, California, USA, Abstract #P3-241
78. **Avtanski D**, Ng W, Diaczock D, Romero C, Sima D, Chen C, Novaira H, Wondisford F, Radovick S 2009 Estrogen directly increases GH expression in somatotroph cell lines. *12<sup>th</sup> International Symposium of Immunology of Reproduction*, Varna, Bulgaria
79. **Avtanski D**, Seto-Young D, Parikh G, Strizhevsky M, Feng Y, Pareek A, Singh J, Singh N, Polskaya M, Rosenwaks Z, Poretsky L 2008 Thiazolidinediones inhibit estrogen synthesis by interfering with androgen binding to aromatase. *The Endocrine Society's 90<sup>th</sup> Annual Meeting*, San Francisco, California, USA, Abstract # P2-44
80. **Avtanski D**, Strizhevsky M, Parikh G, Araki T, Rosen O, Demetri C, Goldman M, Cadag S, Rosenwaks Z, Poretsky L, Seto-Young D 2007 The effects of thiazolidinediones on estrogen production in human granulosa cells. *The Endocrine Society's 89<sup>th</sup> Annual Meeting*, Toronto, Canada, Abstract #P1-317
81. **Avtanski D**, Park A, Kaplun J, Strizhevsky M, Kantor Y, Holcomb K, Poretsky L, Seto-Young D 2006 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 88<sup>th</sup> Annual Meeting*, Boston, Massachusetts, USA, Abstract # P1-409
82. **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 2006 Interactions among PPAR $\alpha$ , insulin signaling pathways and aromatase in human ovarian cells. *The Endocrine Society's 88<sup>th</sup> Annual Meeting*, Boston, Massachusetts, USA, Abstract #P1-397
83. **Avtanski D**, D. Seto-Young, R. Konakchieva, L. Poretsky 2006 Insulin-independent and insulin-sensitizing effects of thiazolidinediones in human ovary. *11<sup>th</sup> International Symposium of Immunology of Reproduction*, Varna, Bulgaria
84. 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 2005 Peroxysome proliferator-activated receptor  $\gamma$  (PPAR $\gamma$ ) in human ovarian cells: its role in regulation

of steroidogenesis and IGFBP-1 production. *The Endocrine Society's 87<sup>th</sup> Annual Meeting*, San Diego, California, USA, Abstract #P3-564

85. Taushanova P, **Avtanski D**, Konakchieva R 2003 Immunomodulation by melatonin – physiological significance. *10<sup>th</sup> Jubilee International Symposium of Immunology of Reproduction*, Varna, Bulgaria
86. Taushanova P, **Avtanski D**, Konakchieva R 2002 Immunomodulation by melatonin – interference in glucocorticoid-induced differentiation of lymphocytes. *10<sup>th</sup> Meeting of the European Neuroendocrine Association (ENEA)*, Munich, Germany

## Other

### Press Interviews and Mentions

1. 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\\_vEzc0OkBXEHV96tmDUDKjhE5vQAX1M02Jw](https://ahrecs.com/resources/mentors-help-authors-say-no-to-predatory-journals-elsevier-connect-marilynn-larkin-november-2018?fbclid=IwAR1sWIIDV_fuE1rh12yRd84_vEzc0OkBXEHV96tmDUDKjhE5vQAX1M02Jw)].
2. Interview for Elsevier by Marilynn Larkin, November 14<sup>th</sup>, 2018, “*Mentors help authors say “no” to predatory journals*” [<https://www.elsevier.com/connect/mentors-help-authors-say-no-to-predatory-journals>].
3. Interview for Elsevier by Marilynn Larkin, August 22<sup>nd</sup>, 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>].
4. Interview for Reuters Health by Will Boggs, Managed Health Care Connect, December 20<sup>th</sup>, 2016, “*Increased Risk of bone fractures with pioglitazone use*” [<http://www.managedhealthcareconnect.com/content/increased-risk-bone-fractures-pioglitazone-use>].
5. *The Catalyst*, May 2009, Volume I, Issue 4, p. 4.
6. *The Catalyst*, October 2008, Volume I, Issue I, p. 4.

### Popular Science Publications

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

### Acknowledgements

1. Acknowledgement to reviewers. 2019 *Metabolism Clinical and Experimental* **93**:103-5
2. Xie B, Zhao L, Guo L, Liu H, Fu S, Fan W, Lin L, Chen J, Wang B, Fan L, Wei H 2019 Benzyl isothiocyanate suppresses development and metastasis of murine mammary carcinoma by regulating the Wnt/ $\beta$ -catenin pathway. *Molecular Medicine Reports*, DOI: 10.3892/mmr.2019.10390
3. 2018 Acknowledgment to reviewers. *Metabolism* **82(2018)**:156-65 [<https://doi.org/10.1016/j.metabol.2018.03.013>]
4. 2018 Contribution of soluble factors to EMT interactive Signaling Pathway. *Cell Signaling Technology* [<https://www.cellsignal.com/contents/science-cst-pathways-stem-cell-markers/contribution-of-soluble-factors-to-emt-interactive-signaling-pathway/pathways-emt-soluble-factors>]
5. 2017 Acknowledgment to reviewers. *Metabolism* **69(2017)**:211-3 [[https://www.metabolismjournal.com/article/S0026-0495\(17\)30005-7/pdf](https://www.metabolismjournal.com/article/S0026-0495(17)30005-7/pdf)]
6. Acknowledgment to reviewers. *Metabolism Clinical and Experimental* **65(2016)**:1443-6 [[https://www.metabolismjournal.com/article/S0026-0495\(16\)30054-3/pdf](https://www.metabolismjournal.com/article/S0026-0495(16)30054-3/pdf)]
7. Giustina A et al. 2016 Acknowledgment of reviewers 2015. *Endocrine* **54**:841-8, DOI: 10.1007/s12020-016-1154-8
8. Giustina A, Filetti S, Floriani I, Gazzaruso C, Granata R, Isidori A, Magni P, Mazziotti G, Vitale G, Chiara Zatelli M 2015 Acknowledgment of reviewers 2014. *Endocrine* **50**:831-8, DOI: 10.1007/s12020-015-0808-2

9. Shurulinkov P, Stoyanov G, Komitov E, Daskalova G, Ralev A 2012 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* **64(1)**:43-56
10. Nankinov D, Dalakchieva S, Nikolov B, Shurulinkov P, Popov K, Kirilov S, Zareva K, Borisov B, Stojanov G, Nankinov N, Minchev N, Kjachukov D, Nikolov I, Stanchev R, Ganchev E 2001 Studying the behaviour of birds during the solar eclipse on August 11, 1999. *Russian Ornithological Journal* **142**:355-369, ISSN 0869-4362

#### **Photograph works published**

1. Photograph works publication: *Standard (Стандарт)* newspaper (Bulgaria), March 8<sup>th</sup>, 2004, 1 photograph.
2. Photograph works publication: *Explorer (Пътешественик)* newspaper (Bulgaria), Issue 5 (July 19<sup>th</sup>-25<sup>th</sup>), p.15, 2004, 4 photographs.
3. Photograph works publication: *Explorer (Пътешественик)* newspaper (Bulgaria), Issue 3 (July 5<sup>th</sup>-11<sup>th</sup>), p. 15, 2004, 3 photographs.
4. Photograph works publication: Brooklyn Animal Foster Network organization (USA), website, printed brochures and advertising materials, multiple photographs.
5. Award winner and photograph work publication: *National Geographic* magazine (USA), *Daily Dozen* award for the photography "Fishermen in the Gulf of Mexico", February 9<sup>th</sup>, 2010.