

# David Christopher Gajzer, MD

428 East 81<sup>st</sup> Street, New York, NY 10028

Tel: (917) 750-4664

E-Mail: david.gajzer@yahoo.com

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## Education

2009 Doctor of Medicine, Ruprecht-Karls-Universitat Heidelberg, Germany

## Research Experience

02/2011-present Postdoctoral Research Fellow  
Cardiovascular Research Center, Cardiovascular Regenerative Medicine  
Mount Sinai School of Medicine, New York, NY

03/2010-02/2011 Postdoctoral Research Assistant  
Division of Hematology/Medical Oncology and The Tisch Cancer  
Institute  
Mount Sinai School of Medicine, New York, NY

09/2009-03/2010 Gerald J. Friedman Research Fellow  
Friedman Diabetes Institute/Division of Endocrinology and Metabolism  
Beth Israel Medical Center/Yeshiva University, New York, NY

## Honors/Awards

2009-2010 Gerald J. Friedman Research Fellowship  
Friedman Diabetes Institute, Beth Israel Medical Center, New York, NY

## Certifications and Licenses

2010 Educational Commission for Foreign Medical Graduates (ECFMG)

2009 License to Practice Medicine, Germany

## **Membership and Professional Societies**

2011                    The New York Academy of Sciences  
2011                    American Medical Association  
2010                    American Diabetes Association

## **Publications**

### **Thymosin Beta 4 and cardiac regeneration: are we missing a beat?**

Manuscript under consideration at Nature Reviews Cardiology

**Gajzer D<sup>1</sup>**, Balbin J<sup>1</sup>, Chaudhry H<sup>1</sup>

1 Cardiovascular Regenerative Medicine Program, Cardiovascular Research Center, Mount Sinai School of Medicine, New York, NY

### **Downregulation of stathmin expression is required for megakaryocyte maturation and platelet production**

Published in BLOOD, 28 April 2011, Volume 117, Number 17

Iancu-Rubin C<sup>1</sup>, **Gajzer D<sup>1</sup>**, Tripodi J<sup>1</sup>, Najfeld V<sup>1,2</sup>, Gordon RE<sup>2</sup>, Hoffman R<sup>1,3</sup> and Atweh GF<sup>4</sup>

1Division of Hematology and Medical Oncology, Department of Medicine, and Tisch Cancer Institute, and Departments of 2Pathology and 3Gene and Cell Medicine, Mount Sinai School of Medicine, New York, NY; and 4Division of Hematology/Oncology, Department of Medicine and University of Cincinnati Cancer Institute, University of Cincinnati College of Medicine, Cincinnati, OH

## **Abstracts**

### **2010**

#### **Stathmin-Mediated Dysregulation of Microtubules Impairs Megakaryocyte Maturation and Platelet Production**

Oral session at the 2010 Annual Meeting of the American Society of Hematology in Orlando, Florida, December 6th, 2010

Iancu-Rubin C<sup>1</sup>, Tripodi J<sup>1</sup>, **Gajzer D<sup>1</sup>**, Najfeld V<sup>1</sup>, Hoffman R<sup>1</sup> and Atweh GF<sup>2</sup>

1 Tisch Cancer Institute, Department of Medicine, Division of Hematology/Medical Oncology, Mount Sinai School of Medicine, New York, NY

2 University of Cincinnati School of Medicine

#### **Targeting Non-Histone Protein Acetylation Impairs Platelet Production During Normal Megakaryocytopoiesis**

Poster presentation at the 2010 Annual Meeting of the American Society of Hematology in Orlando, Florida, December 5th, 2010

Iancu-Rubin C<sup>1</sup>, Feller F<sup>1</sup>, **Gajzer D<sup>1</sup>**, Mascarenhas J<sup>1</sup> and Hoffman R<sup>1</sup>

1 Tisch Cancer Institute, Department of Medicine, Division of Hematology/Medical Oncology, Mount Sinai School of Medicine, New York, NY

### **Thiazolidinediones Inhibit Bone Turnover**

Poster presentation at the Endocrine Society's Annual Conference:

“ENDO 2010: The 92nd Annual Meeting & Expo, June 19-22, San Diego, CA”

Seth AK<sup>1</sup>, **Gajzer DC**<sup>1</sup>, Suwandhi P<sup>1</sup>, Feng Y<sup>1</sup>, Kato S<sup>1</sup>, Romero C<sup>1</sup>, Patel R<sup>1</sup>, Rosenwaks Z<sup>2</sup>, Poretsky L<sup>1</sup>, Seto-Young D<sup>1</sup>

1 Division of Endocrinology and Metabolism, Beth Israel Medical Center, New York, NY

2 Center for Reproductive Medicine, Weill Cornell Medical College, New York, NY

## **2008**

### **Role of FGF19-FGFR4 Signaling in Human Hepatocellular Carcinoma**

Poster presentation at the International Liver Cancer Association's Annual Conference:

“ILCA 2008: September 5-7, Chicago, IL”

Bott F<sup>1</sup>, **Gajzer D**<sup>1</sup>, Schiller C<sup>1</sup>, Schlaeger C<sup>2</sup>, Radlwimmer B<sup>2</sup>, Schirmacher P<sup>1</sup>, Longerich T<sup>1</sup>

1Institute of Pathology, University Hospital Heidelberg

2Department of Molecular Genetics, German Cancer Research Center, Heidelberg, Germany

## **Presentations**

### **2009**

#### **The Role of Thiazolidinediones in Bone Metabolism**

Gerald J. Friedman Research Fellow Virtual Symposium 2009

(<http://www.friedmandiabetesinstitute.com/fellows/fellows/david.php>)

**Gajzer DC**<sup>1</sup>, Suwandhi P<sup>1</sup>, Feng Y<sup>1</sup>, Seth AK<sup>1</sup>, Poretsky L<sup>1</sup>, Seto-Young D<sup>1</sup>

1 Division of Endocrinology and Metabolism, Beth Israel Medical Center, New York, NY

## **2007**

### **The Role of Fibroblast Growth Factor 19 in the Pathogenesis of Human Hepatocellular Carcinoma**

Institute of Pathology, University Hospital Heidelberg, Germany - August 10, 2007

## **Reviewer**

Journal of Molecular and Cellular Cardiology

## **Teaching Experience**

06-07/2011

Jerome Balbin, BS

Currently medical student (MS-II), University of Medicine and Dentistry of New Jersey – Robert Wood Johnson Medical School; summer research program in Chaudhry Laboratory at Mount Sinai School of Medicine

2010 High school student during summer research program with Dr. Iancu-Rubin at Mount Sinai School of Medicine

## **Technical Skills**

### *Murine Models*

Cardiotoxin injection; genotyping; collect blood specimens, process organs for analysis (flow cytometric analysis, molecular and biochemical studies)

### *Cell Culture*

Transfection: 293T cells; Transduction: Lentivirus and Adenovirus – hematopoietic stem cells, HEK293, C2C12. Isolation of human granulosa cells, culture of mouse osteoblast and skeletal muscle cell lines

### *Molecular Biology Techniques*

Cloning, subcloning, transformation (DH5a, Stbl3), plasmid purification (small and large scale), restriction enzyme digestion, packaging, titration and concentration of lentiviral particles, purification of restriction fragments for pronuclear microinjection, DNA/RNA Extraction, DNA/RNA Gel Electrophoresis, design of PCR primers (SYBR Green and TaqMan), PCR, RT-PCR, quantitative real-time PCR

### *Biochemical Assays*

Radioimmunoassay, enzyme-linked immunosorbent assay (ELISA), western blot, paraffin embedding and sectioning of tissue specimens, hematoxylin/eosin (H&E) staining, immunohistochemistry, immunofluorescence cell staining, multi-tissue array staining and analysis

### *Statistics*

Excel

## **Patient Care Experience**

07-08/2008 Rotation, Department of Surgery, Division of Orthopedic Surgery, Singapore General Hospital, Singapore

05-07/2008 Rotation, Department of Surgery, Division of General Surgery, Singapore General Hospital, Singapore

04/2008 Rotation, Department of Medical Oncology, Princess Margaret Hospital, Toronto, ON, Canada

03/2008                      Rotation, Department of Medicine, Division of Cardiology,  
St. Joseph's Health Centre, Toronto, ON, Canada

02/2008                      Rotation, Department of Medicine, Division of Endocrinology and  
Metabolism, Beth Israel Medical Center, New York, NY

01/2008                      Rotation, Department of Medicine, Division of Infectious Diseases,  
Beth Israel Medical Center, New York, NY

09-12/2007                 Rotation, Radiology Clinic, University Hospital Heidelberg,  
Ruprecht-Karls-Universitat Heidelberg School of Medicine, Germany

**Languages**

English                      fluent

French                        intermediate proficiency

German                        mother tongue

Latin                          advanced proficiency