**Curriculum Vitae**

**Boglarka Racz**

917-302-1198

raczb@mskcc.org

**Personal Data:**

Birthplace Hungary

Citizenship USA

**Work Experience**

09/2023 – present **Memorial Sloan Kettering Cancer Center** New York, NY

 Laboratory Manager

03/2015 – 09/2023 **CUMC Department of Ophthalmology** New York, NY

 Associate Research Scientist

Preclinical in vitro and in vivo testing of new compound class against Stargardt and age-related macular diseases.

**Post Doctoral Training**

06/2013 – 03/2015 **CUMC Department of Ophthalmology** New York, NY

 Postdoctoral Research Scientist

Testing new, small molecule compounds against Stargardt and age-related macular diseases.

01/2008 – 06/2013 **University of Pecs, Medical School,** Pecs, Hungary

**Department of Biochemistry and Medical Chemistry**

Research Scientist

Successfully identified a novel mechanism for regulation of the extra-nuclear effects of PARP-1

**Education**

06/2004 – 01/2008 **University of Pecs, Medical School,** Pecs, Hungary

 **Department of Surgical Research and Techniques**

 **Ph.D.** – Cellular and Molecular Biology, Summa Cum Laude

Thesis Title: Apoptosis signaling pathways and anti-apoptotic effects of pituitary adenylate cyclase activating polypeptide (PACAP) on various tissue and cell lines. In vitro and in vivo studies.

09/1999 – 06/2004 **University of Pecs, Faculty of Science** Pecs, Hungary

 Master of Science, Biologist

02/2003 – 06/2003 **Universita degli Studi di Milano** Milano, Italy

 Erasmus Programme, Scholarship, 1 semester

Biochemistry, Human genetics

**Honors**

- Hot Topic Poster Award, ARVO, United States of America, 2015

- Hungarian Academic Junior Award, Hungary, 2013

- Hungarian Scientific Research Fund, Hungary 2012-2013

- Janos Bolyai Award, Hungary, 2009-2012

- Sigma Research Award, Hungary, 2007

**Professional Organization, Societies and Service**

Professional Memberships

2004 – 2008 Neurotoxicity Society

2008 – 2013 Hungarian Biochemical Society

2013 – 2022 ARVO – The Association for Research in Vision and Ophthalmology

**Teaching Experience and Responsibilities**

Teaching Biochemistry 2008 - 2013 University of Pecs, Medical School

Department of Biochemistry and Medical Chemistry

Labs: 6hrs/week in Hungarian, English

Seminars: 6hrs/week in Hungarian, English

 Lectures in Hungarian, English

Cell and molecular biology 2007-2009 University of Pecs, Medical School

Department of Medical Biology

 Labs and seminars: 4hrs/week in Hungarian

Supervising graduate students’ research and thesis

2008-2013 University of Pecs, Medical School

Department of Biochemistry and Medical Chemistry

**Patents & Inventions**

- Triazolopyrimidines, their preparation and use. US2021047337

- Bispecific antagonists of retinol-binding protein 4 that stabilize transthyretin tetramers, their preparation, and use in the treatment of common age-related comorbidities. WO2022020305

- RBP4 antagonists for treatment and prevention of non-alcoholic fatty liver disease and gout. WO2020028723