

**Botond Roska MD PhD**  
**Curriculum vitae**

Born 17.12.1969

**A. Education**

INSTITUTION AND LOCATION	DEGREE	Completion Date MM/YYYY	FIELD OF STUDY
Semmelweis Medical School, Budapest, Hungary	MD, Summa Cum Laude	10/1995	Medicine
University of California Berkeley, USA	PhD	07/2002	Neurobiology
Harvard University and Harvard Medical School, USA	Harvard Society Fellow	05/2005	Genetics

**Other studies:**

1991-1995 Mathematics, Eotvos Lorand University, Budapest, Hungary  
1985-1989 Violoncello, Ferenc Liszt Academy of Music, Budapest, Hungary

**B. Positions and Honors**

**Positions and Employment**

2005-2010 Junior Group Leader, Friedrich Miescher Institute, Basel, Switzerland  
2010-2019 Senior Group Leader, Friedrich Miescher Institute, Basel, Switzerland  
2014- Professor, Faculty of Medicine, University of Basel, Switzerland  
2018- Founding Director, Institute of Molecular and Clinical Ophthalmology Basel (IOB), Basel, Switzerland  
2019- Professor, Faculty of Science, University of Basel, Switzerland

**Scientific Advisory Board Memberships**

2009- Member, Scientific Advisory Board, LASCCO SA, Geneva  
2011- Chair, Scientific Advisory Board, GenSight Biologics Inc  
2013- Member, Scientific Advisory Board, Cell type and connectivity project, Allen Brain Institute  
2014- Member, Scientific Advisory Board, MRC Centre for Developmental Neurobiology, King's College London  
2015- Member, Editorial Committee, Annual Review in Neuroscience  
2015- Member, Scientific Advisory Board, Leenaards Foundation  
2016 Member, Scientific Advisory Board, Champalimaud Neuroscience Program  
2016- Member, Editorial Board, Current Opinion in Neurobiology  
2016- Chair, Scientific Advisory Board, Cell type and connectivity project, Allen Brain Institute  
2016- Member, Scientific Advisory Board, Inscopix Inc  
2016- Member, FENS Brain Conferences Committee  
2016- Member, Scientific Advisory Board, Max Planck Institute of Neurobiology, Martinsried, Germany  
2016- Associate Editor, Annual Review in Neuroscience

2017 Member, Review Committee, Brain Research Institute, University of Zurich  
2017- Member, Scientific Advisory Board, CRTD, Dresden, Germany  
2017- Co-Editor, Annual Review in Neuroscience  
2018- Member, Editorial Board, Physiological Reviews  
2018- Member, Scientific Advisory Board, Sainsbury Wellcome Centre for Neural Circuits and Behaviour, London, UK  
2020- Member, Board of Directors, Arctos Medical AG

## **Honors**

1997 Fulbright Fellow  
2001 Bearden Memorial Award for Biophysics, UC Berkeley  
2001 Outstanding Graduate Student Instructor Award, UC Berkeley  
2001 HFSP Short Term Fellow  
2002 Harvard Junior Fellow  
2006 Marie Curie Excellence Grant of the European Union  
2009 EMBO Young Investigator  
2010 ERC Starting Grant  
2010 VIVA Award  
2011 Alcon Award  
2011 EMBO member  
2013 Alfred Vogt Award in Ophthalmology  
2015 ERC Advanced grant  
2016 Cogan Award of ARVO  
2018 Bressler Prize in Vision Science, New York  
2018 Alden W. Spencer Award for Neuroscience  
2019 Louis-Jeantet Prize for Medicine  
2019 Order of Saint Stephen of Hungary  
2019 Cloëtta Prize  
2019 Semmelweis Budapest Award  
2019 Louis Braille Medal  
2020 ERC Advanced grant

## **C. Patents**

Botond Roska has 38 international patents or patent application

## **D. Postdocs and students**

Trained/currently training 31 postdoctoral students. Trained/currently training 13 graduate students. 14 former lab members are professors or independent group leaders. 4 previous lab members received ERC Starting Grant.

## **E. Journal and Grant Reviews**

Articles reviewed: Cell, Nature, Science, Neuron, Nature Neuroscience, Nature Methods, Nature Biotechnology, Annual Reviews in Neuroscience, Current Biology, Nature Communications  
Co-Editor: Annual Review in Neuroscience  
Editorial Board Member: Physiological Reviews

## **F. Industrial innovation**

2013 Co-founder of GenSight Biologics (<http://www.gensight-biologics.com>), a clinical-stage biotechnology company discovering and developing novel optogenetic therapies for neurodegenerative diseases of the eye and central nervous system.

2019 Co-founder of Affinia Therapeutics, a biotechnology company discovering and developing novel gene therapies for neurodegenerative diseases.