

Botond Roska MD PhD

Curriculum vitae

Born 17.12.1969

Positions and education

1. 2014 October-today Professor, Faculty of Medicine, University of Basel
2. 2010 May-today Senior Group Leader, Research Topic: Neuroscience, Genetics, Physiology, Institute: Friedrich Miescher Institute for Biomedical Research, Basel
3. 2005-2010 Junior Group Leader, Research Topic: Neuroscience, Genetics, Physiology, Institute: Friedrich Miescher Institute for Biomedical Research, Basel
4. 2002-2005 Harvard Junior Fellow, Research Topic: Genetics, Institutes: Department of Genetics, Harvard Medical School, Boston with Constance Cepko and Department of Molecular and Cellular Biology, Harvard University, Cambridge with Markus Meister
5. 1995-2002 PhD Student, PhD degree in 2002, Research Topic: Neuroscience, Physiology, Institute: Department of Molecular and Cell Biology, University of California Berkeley with Frank Werblin
6. 1989-1995 Medical student, MD degree in 1995, Summa Cum Laude, Topic: Medicine, Institute: Semmelweis Medical School, Budapest
7. 1991-1995 Student, Topic: Mathematics, Institute: Eotvos Lorand University, Budapest
8. 1985-1989 Student, Topic: Violoncello, Institute: Ferenc Liszt Academy of Music

Prizes and Awards

Cogan Award (2015)
ERC Advanced grant (2015)
Alfred Vogt Award (2013)
EMBO member (2011)
Alcon Award (2011)
VIVA Award (2010)
ERC Starting Grant (2010)
EMBO Young Investigator (2009)
Marie Curie Excellence Grant of the European Union (2006)
Human Frontiers Science Program Young Investigator (2003)
Harvard Society Fellow (2002)
Human Frontiers Science Program Short Term Fellow (2001)
Bearden Memorial Award for biophysics (2001)
Fulbright Fellow (1997)

Patents

1. D Balya, P Lagali, T Muench, B Roska, (WO 2008/022772) Use of light sensitive genes 28.02.2008 A61K 48/00 PCT/EP2007/007361
2. K Balint, Zs Boldogkői, B Roska, (WO 2009/112448) Novel tool for the analysis of neural circuits.17.09.2009 C12N 7/00 PCT/EP2009/052706
3. D Balya, V Busskamp, P Lagali, B Roska, (WO 2009/127705) Novel therapeutical tools and methods for treating blindness 22.10.2009 A61K 48/00 PCT/EP2009/054562
4. V. Busskamp, J. Duebel, S. Picaud, J. Sahel, B. Roska, Functionalized organotypic systems (WO 2011/039161) 07.04.2011 C12N 5/0793 PCT/EP2010/064325
5. J. Juettner, S. Siegert, B. Roska, Rod cell-specific promoter 07.11.2012 PCT/EP2012/072047
6. J. Juettner, B. Roska, Retinal OFF circuit-specific promoter 27.08.2012 EP12181909.8
7. P. Lagali, B. Roska, Retinal ON bipolar cells-specific artificial promoter 11.06.2013 EP13171567.4
8. J. Juettner, B. Roska All Retinal amacrine cell- specific promoter 10.02.14 EP14154556.6
9. J. Juettner, B. Roska Müller cell-specific promoter 11.02.14 EP14154618.4
10. J. Juettner, B. Roska Promoter for the specific expression of genes in Müller cells 30.04.15 EP15165937.2
10. Juttner, Nelidova, Roska Novel therapeutical tools and methods for treating blindness by targeting photoreceptors 15.09.15 EP15185327.2
11. J. Juettner, B. Roska Promoter for the specific expression of genes in retinal endothelial cells 14.10.15 15189842.6
12. Hartl, Juettner, Krebs, Roska, Schubeler SynP157, a promoter for the specific expression of genes in rod photoreceptors 03.12.15 15197895.4
13. Hartl, Juettner, Krebs, Roska, Schubeler SynP159, a promoter for the specific expression of genes in rod photoreceptors 03.12.15 15197899.6
14. Hartl, Juettner, Krebs, Roska, Schubeler SynP160, a promoter for the specific expression of genes in rod photoreceptors 03.12.15 15197900.2
15. Hartl, Juettner, Krebs, Roska, Schubeler SynP161, a promoter for the specific expression of genes in rod photoreceptors 03.12.15 15197901.0
16. Hartl, Juettner, Krebs, Roska, Schubeler SynP162, a promoter for the specific expression of genes in rod photoreceptors 03.12.15 15197902.8

Board membership

1. Advisory Board, MRC Centre for Developmental Neurobiology, King's College London (2014-)
2. Advisory board, Cell type project, Allen Brain Institute (2013-)
3. Co-founder and chair of Scientific Advisory Board, GenSight Biologics (2011-)
4. Board of Directors, LASCCO SA, Geneva (2009-)
5. Editorial board, Annual Review in Neurosciences (2015-)
6. Scientific advisory board, Leenaards Foundation (2015-)
7. Scientific Advisory Board, Inscopix (2016-)
8. Scientific Advisory Board, ad hoc member, Champalimaud Neuroscience Program (2016)
9. Editorial board, Current Opinion in Neurobiology (2016-)

Further information about Botond Roska and group

<http://www.fmi.ch/research/groupleader/?group=112>