

## Prof. Dr. Jonathan Kipnis

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## Akademischer Werdegang

- 1995 - 1998 Studium der Biologie (BSc), Tel Aviv University, Ramat Aviv (Israel)
- 1998 - 1999 Studium der Neurobiologie (MSc), Weizmann Institute of Science, Rehovot (Israel)
- 1999 - 2004 Promotion (PhD) in Neuroimmunologie, Weizmann Institute of Science, Rehovot (Israel)

## Beruflicher Werdegang

- 2004 - 2005 Postdoc, Weizmann Institute of Science, Rehovot (Israel)
- 2005 - 2007 Assistenzprofessor für Pharmakologie und Ophthalmologie, University of Nebraska Medical Center (UNMC), Omaha (USA)
- 2007 - 2012 Assistenzprofessor für Neurowissenschaften, University of Virginia Health System, Charlottesville (USA)
- seit 2007 Mitglied im Carter Immunology Center, University of Virginia (USA)
- seit 2008 Fakultätsmitglied, Medical Scientist Training Program, University of Virginia (USA)
- seit 2009 Mitglied im Center for Cell Clearance, University of Virginia (USA)
- 2011 - 2012 Assistenzprofessor für Ophthalmologie, University of Virginia (USA)
- seit 2012 Direktor des Center for Brain Immunology and Glia (BIG)
- seit 2012 Professor für Neurowissenschaften und Ophthalmologie, University of Virginia (USA)

## Auszeichnungen und Preise

- 1999 Dean travel award for excellence and scientific achievements for doctoral students, Weizmann Institute
- 2002 Sir Charles Clore scholarship and award of excellence in doctoral studies
- 2002 Representative of Israeli Student Delegation for the International Summit of the American Academy of Achievement (Dublin, Ireland)
- 2003 Representative of Israeli Student Delegation, International Summit for Nobel Prize Laureates in Medicine (Lindau)

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2004	Distinguished Prize for excellence in doctoral studies awarded by the Israeli Parliament (Knesset)
2004	Prize of excellence for doctoral studies awarded by the Feinberg Graduate School, Weizmann Institute of Science
2006	Vada Kinman Oldfield Alzheimer's Research Award, University of Nebraska Medical Center
2011	Robert Ader New Investigator Award for 2011, PsychoNeuroImmunology Research Society (PNIRS)
2012	Jordi Folch-Pi award, American Society for Neurochemistry
2014	Distinguished Research Career Development Awards, University of Virginia
2015	Gutenberg Research College (GRC) fellowship, Johannes Gutenberg-Universität Mainz

### Publikationen (Auswahl)

Da Mesquita S, Louveau A, Vaccari A, Smirnov I, Cornelison RC, Kingsmore KM, Contarino C, Onengut-Gumuscu S, Farber E, Raper D, Viar KE, Powell RD, Baker W, Dabhi N, Bai R, Cao R, Hu S, Rich SS, Munson JM, Lopes MB, Overall CC, Acton ST, **Kipnis J.** (2018) Functional aspects of meningeal lymphatics in ageing and Alzheimer's disease. *Nature.* Aug;560(7717):185-191.

Norris GT, Smirnov I, Filiano AJ, Shadowen HM, Cody KR, Thompson JA, Harris TH, Gaultier A, Overall CC, **Kipnis J.** (2018) Neuronal integrity and complement control synaptic material clearance by microglia after CNS injury. *J Exp Med.* Jul 2;215(7):1789-1801.

Cronk JC, Filiano AJ, Louveau A, Marin I, Marsh R, Ji E, Goldman DH, Smirnov I, Geraci N, Acton S, Overall CC, **Kipnis J.** (2018) Peripherally derived macrophages can engraft the brain independent of irradiation and maintain an identity distinct from microglia. *J Exp Med.* Jun 4;215(6):1627-1647

Filiano AJ, Xu Y, Tustison NJ, Marsh RL, Baker W, Smirnov I, Overall CC, Gadani SP, Turner SD, Weng Z, Peerzade SN, Chen H, Lee KS, Scott MM, Beenhakker MP, Litvak V, **Kipnis J.** (2016) Unexpected role of interferon- $\gamma$  in regulating neuronal connectivity and social behaviour. *Nature.* Jul 21;535(7612):425-9.

Louveau A, Smirnov I, Keyes TJ, Eccles JD, Rouhani SJ, Peske JD, Derecki NC, Castle D, Mandell JW, Lee KS, Harris TH, **Kipnis J.** (2015) Structural and functional features of central nervous system lymphatics. *Nature,* Jul 16;523(7560):337-41. doi: 10.1038/nature14432.

Cronk JC, Derecki NC, Ji E, Xu Y, Lampano A, Smirnov I, Baker W, Norris GT, Coddington N, Wolf Y, Klibanov AL, Harris TH, Jung S, Litvak V, and **Kipnis J.** (2015) Methyl-CpG Binding Protein 2 Regulates Microglia and Macrophage Gene Expression in Response to Inflammatory Stimuli. *Immunity,* 42, 679-691.