

Curriculum vitae of Prof. Dr. med. Nikolaus Plesnila

Professional experience

INSTITUTE FOR STROKE AND DEMENTIA RESEARCH (ISD)
UNIVERSITY OF MUNICH MEDICAL CENTER, MUNICH, GERMANY
10/2011- Professor of Experimental Stroke Research

ROYAL COLLEGE OF SURGEONS IN IRELAND (RCSI), DUBLIN, IRELAND
2008-2011 SFI Stokes Professor of Neuroscience and
Chair of Neurodegeneration

DEPARTMENT OF NEUROSURGERY
UNIVERSITY OF MUNICH MEDICAL CENTER, MUNICH, GERMANY
2005-2008 Professor of Experimental Neurosurgery

INSTITUTE FOR SURGICAL RESEARCH, MUNICH, GERMANY
UNIVERSITY OF MUNICH MEDICAL CENTER
2001-05 Principal Investigator

LABORATORY OF STROKE AND NEUROVASCULAR REGULATION
HARVARD MEDICAL SCHOOL, BOSTON, USA
02/00-02/01 Research Fellow of the German Research Foundation (DFG)
02/99-02/00 Postdoctoral Research Fellow

INSTITUTE FOR SURGICAL RESEARCH, MUNICH, GERMANY
UNIVERSITY OF MUNICH MEDICAL CENTER
1995-1999 Postdoctoral Research Fellow
1993-1995 Research Associate

Education / Degrees

UNIVERSITY OF MUNICH MEDICAL CENTER, MUNICH, GERMANY
2004 Habilitation for Experimental Neurosurgery
Role of mitochondrial proteins for post-ischemic cell death

TECHNICAL UNIVERSITY OF MUNICH MEDICAL SCHOOL, MUNICH, GERMANY
4/89-10/91 M.D. (Dr. med) Student in Immunology
Studied the ability of $\gamma\delta$ -T-lymphocytes to recognize cellular and bacterial superantigens

TECHNICAL UNIVERSITY OF MUNICH MEDICAL SCHOOL, MUNICH, GERMANY
11/88-5/93 Medical Student

UNIVERSITY OF REGENSBURG MEDICAL SCHOOL, REGENSBURG, GERMANY
10/86-8/88 Medical Student

Publications of Prof. Nikolaus Plesnila - selection of last 5 years (10 out of 50)

1. Balbi M, Koide K, Wellman G, **Plesnila N**
Inversion of neurovascular coupling after subarachnoid hemorrhage in vivo
J Cereb Blood Flow Metab 2017; 37(11): 3625-3634
2. Lourdopoulos A, Mamrak U, Roth S, Balbi M, Shrouder S, Liesz A, Hellal F, **Plesnila N**
Inadequate food and water intake determine mortality following stroke in mice
J Cereb Blood Flow Metab 2017; 37(6):2084-2097
3. Terpolilli N*, Feiler S*, Ari Diemel*, Müller F, Thal S, Friedrich B, Schöller K, **Plesnila N**
Nitric oxide inhalation reduces brain damage, prevents mortality, and improves neurological outcome after subarachnoid hemorrhage by resolving early pial microvasospasms.
J Cereb Blood Flow Metab 2016, 36(12): 2096–2107
4. Schwarzmaier SM, de Chaumont C, Balbi M, Terpolilli NA, Kleinschnitz C, Gruber A, **Plesnila N**
The Formation of Microthrombi in Parenchymal Microvessels after Traumatic Brain Injury Is Independent of Coagulation Factor XI.
J Neurotrauma 2016; 33(17):1634-1644
5. Ghosh M*, Balbi M*, Dichgans M, Lindauer U*, **Plesnila N***
Pericytes are involved in the pathogenesis of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL)
Ann Neurol 2015 Aug 27. [Epub ahead of print]
6. Llovera G, Hofmann K, Roth S, Salas-Pédomo A, Ferrer-Ferrer M, Perego C, Zanier ER, Mamrak U, Rex A, Party H, Agin V, Fauchon C, Orset C, Haelewyn B, De Simoni M-G, Dirnagl U, Planas AM, **Plesnila N**, Vivien D, Liesz A
Results of the First Multicenter Trial in Experimental Stroke Research: Anti-CD49d treatment for acute brain ischemia
Science Translational Medicine 2015, 7:299ra121
7. Balbi M, Ghosh M, Longden TA, Vega MJ, Gesierich B, Hellal F, Lourdopoulos A, Nelson MT, **Plesnila N**
Dysfunction of mouse cerebral arteries during early aging
J Cereb Blood Flow Metab 2015; 35:1445-1453
8. Friedrich B, Kozniowska E, **Plesnila N**
CO₂ has no therapeutic effect on early microvasospasm following experimental subarachnoid hemorrhage
J Cereb Blood Flow Metab 2014; 34:e1-6
9. Schwarzmaier SM, Zimmermann R, McGarry NB, Trabold R, Kim S-W, **Plesnila N**
In vivo temporal and spatial profile of leukocyte adhesion and migration after experimental traumatic brain injury in mice
J Neuroinflammation 2013; 10:32
10. Rauen K, Trabold R, Brem C, Terpolilli NA, **Plesnila N**
Arginine vasopressin V1a receptor deficient mice have reduced brain edema and secondary brain damage following traumatic brain injury
J Neurotrauma 2013; 30:1442-8