

Personal Data

Name Dr. med. Michael Karl Sixt
Work address Institute of Science and Technology Austria
Am Campus 1; 3400 Klosterneuburg, Austria
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Education

7/2002 Approbation in human medicine
1998 - 2002 Dissertation (Dr. med - MD) at Friedrich-Alexander-University Erlangen. Supervisor Dr. Lydia Sorokin. "The Role of Endothelial Laminin Isoforms in Leukocyte Extravasation"
1994 - 2000 Studies of Medicine at the University of Erlangen, Germany

Current Position

Since 9/2013 Tenured Professor, Institute of Science and Technology Austria

Previous Positions

9/2010 - 9/2013 Tenure Track Assistant Professor, Institute of Science and Technology Austria
11/2004 - 8/2010 Group leader at Max Planck Institute of Biochemistry, Martinsried, Germany
8/2002 - 10/2004 Postdoc at the Institute for Experimental Pathology, Lund, Sweden
1/2001 - 7/2002 Clinical resident at the Dermatological Clinic Erlangen, Germany

Fellowships

- DFG (German Research Foundation) graduate college scholarship during dissertation
- Crafoord Foundation (Sweden) Postdoctoral Fellowship
- Marie Curie Postdoctoral Fellowship
- Endowed Professorship of the Peter Hans Hofschneider Foundation for Experimental Biomedicine

Selected Distinctions

2014 Elected EMBO Member
2013 European Biophysical Societies Association Young Investigator Medal
2013 Elected member of the Young Academy of the Austrian Academy of Sciences
2012 Ignaz Lieben Award of the Austrian Academy of Sciences
2011 FWF (Austrian Science Fund) START Award
2008 Endowed Professor of Peter Hans Hofschneider Foundation
2003 Novartis Dissertation Award

Full list of published papers

Primary research papers

Kiermaier E, Moussion C, Veldkamp CT, Gerardy-Schahn R, de Vries I, Williams LG, Chaffee GR, Phillips AJ, Freiburger F, Imre R, Taleski D, Payne RJ, Braun A, Förster R, Mechtler K, Mühlenhoff M, Volkman BF, Sixt M.

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The serotonin receptor 5-HT₇R regulates the morphology and migratory properties of dendritic cells.

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Heger K, Kober M, Rieß D, Drees C, de Vries I, Bertossi A, Roers A, Sixt M, Schmidt-Supprian M.

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Ruprecht V, Wieser S, Callan-Jones A, Smutny M, Morita H, Sako K, Barone V, Ritsch-Marte M, Sixt M, Voituriez R, Heisenberg CP.

Cortical contractility triggers a stochastic switch to fast amoeboid cell motility.

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Stoler-Barak L, Moussion C, Shezen E, Hatzav M, Sixt M, Alon R.

Blood vessels pattern heparan sulfate gradients between their apical and basolateral aspects.

PLoS One. 2014 Jan 22;9(1)

Dueck A, Eichner A, Sixt M, Meister G.

A miR-155-dependent microRNA hierarchy in dendritic cell maturation and macrophage activation.

FEBS Lett. 2014 Feb 14;588(4):632-40

Konradi S, Yasmin N, Haslwanter D, Weber M, Gesslbauer B, Sixt M, Strobl H.

Langerhans cell maturation is accompanied by induction of N-cadherin and the transcriptional regulators of epithelial-mesenchymal transition ZEB1/2.

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J Biol Chem, 2001 Jun 1;276(22):18878-87

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Reviews and comments

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Review: Navigating in tissue mazes: chemoattractant interpretation in complex environments.

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Comment: IMMUNOLOGY. Fragmented communication between immune cells.

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Comment: MEK signaling tunes actin treadmilling for interstitial lymphocyte migration

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Review: Regulation of leukocyte motility: through venular walls and beyond

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Lammermann T, Sixt M

Review: Mechanical modes of amoeboid cell migration

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Review: Analogies in the evolution of individual and social immunity.

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