



Publikationen Dr. med. Rudolf Richter

Originalarbeiten

2017

- ▶ **Current Developments in Mobilization of Hematopoietic Stem and Progenitor Cells and Their Interaction with Niches in Bone Marrow**

Rudolf Richter, Wolf-Georg Forssmann, Reinhard Henschler
Transfus Med Hemother 2017;44:151–164

2016

- ▶ **Pharmacokinetic and Pharmacodynamic Characteristics of Subcutaneously Applied PTH-1-37.**

Wolf-Georg Forssmann, Hanns-Christian Tillmann, Dieter Hock, Kristin Forssmann, Corrado Bernasconi, Ulf Forssmann, Rudolf Richter, Berthold Hocher, Andreas Pfützner
Kidney Blood Press Res. 2016 Aug 4;41 (5):507-518

- ▶ **Pre-transplant HLA Antibodies Detected by Single Antigen Bead Assay are a Risk Factor for Long-Term Kidney Graft Loss Even in the Absence of Donor Specific Antibodies**

Rudolf Richter, Caner Sösal, Stefanie Köhler, Sara Qidan, Alicia Schödel, Lisa Holschuh, Martin Brzoska, Aida Asbe-Vollkopf, Stefan Büttner, Christoph Betz, Eva Herrmann, Stefan Gauer, Erhard Seifried, Helmut Geiger, Christian Seidl, Ingeborg A. Hauser
Transpl Int. 2016 Apr 22. doi: 10.1111/tri.12786.

2015

- ▶ **β-Chemokine CCL15 Affects Cycling, Adhesion and Migration of Hematopoietic Progenitor Cells.**

Rudolf Richter, Brigitte Rüter, Roxana Bistran, Wolf-Georg Forssmann, Erhard Seifried, Reinhard Henschler
Transfusion Med Hemother. 2015, 42:29-37

- ▶ **Discovery and Characterization of an Endogenous CXCR4 Antagonist**

Onofrio Zirafi, Kyeong-Ae Kim, Ludger Ständker, Katharina B. Mohr, Daniel Sauter, Anke Heigele, Silvia F. Kluge, Eliza Wiercinska, Doreen Chudziak, Rudolf Richter, Barbara Moepps, Peter Gierschik, Virag Vas, Hartmut Geiger, Markus Lamla, Tanja Weil, Timo Burster, Andreas Zgraja, Francois Daubeuf, Nelly Frossard, Muriel Hachet-Haas, Fabian Heunisch, Christoph Reichetzedler, Jean-Luc Galzi, Javier Perez-Castells, Angeles Canales-Mayordomo, Jesus Jiménez-Barbero, Guillermo Giménez-Gallego, Marion Schneider, James Shorter, Amalio Telenti, Berthold Hocher, Wolf-Georg Forssmann, Harvard Bonig, Frank Kirchhoff, Jan Münch
Cell reports 2015, 5;11(5):737-47



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2014

- ▶ **Identification and Characterization of Circulating Variants of CXCL12 from Human Plasma: Effects on Chemotaxis and Mobilization of Hematopoietic Stem and Progenitor**

Rudolf Richter, Andrea Jochheim-Richter, Felicia Ciuculescu, Katarina Kollar, Erhard Seifried, Ulf Forssmann, Dennis Verziji, Martine J. Smit, Xavier Blanchet, Philipp von Hundelshausen, Christian Weber, Wolf-Georg Forssmann, Reinhard Henschler
Stem Cell Dev. 2014, 23:1959-74

2011

- ▶ **Two amino acid changes located in the alpha 1 domain specify the novel HLA-B*27:67 allele affecting the peptide-binding-site characteristics.**

Shipra Gupta, Sebastian Reider, Rudolf Richter, Johanna Manns, Sylvia E Escher, Aleksandra Heitland, Matthias Mack, Wolf-Georg Forssmann, Törn Elsner, Ulf Forssmann
Tissue Antigens. 2011. 77:599-601

2010

- ▶ **CCR1 and CCR5-mediated inactivation of leukocytes by a non-glycosaminoglycan(GAG)-binding variant of n-Nonanoyl-CCL14 (NNY-CCL14).**

Shipra Gupta, Sebastian Reider, Rudolf Richter, Johanna Manns, Sylvia E Escher, Aleksandra Heitland, Matthias Mack, Wolf-Georg Forssmann, Törn Elsner, Ulf Forssmann
J Leukocyte Biol. 2010. 88:383-92

- ▶ **The novel allele HLA-DQB1*0636 of Caucasian origin has a unique amino acid exchange at position 186 of the beta 2 region.**

Petra S. Skrablin, Rudolf Richter, Veronika Brixner, Erhard Seifried, Christian Seidl
Tissue Antigens 2010. 76:72-4

2009

- ▶ **Significance of N-terminal proteolysis of CCL14a for Activity on the Chemokine Receptors CCR1, CCR5 and on HCMV Encoded Chemokine Receptor US28.**

Rudolf Richter, Ludger Ständker, Jan Münch, Wolf-Georg Forssmann, Jalal Vakili, Michel Detheux, Marc Parmentier, Rob Leurs, Martine Smit.
J. Immunology 2009. 183, 1229-37

- ▶ **Conformation of allele HLA-A*3116 found in a family of a leukaemia patient with Caucasian and Caribbean origin.**

Petra Skrablin, Veronika Brixner, Rudolf Richter, Angelika Boehme, Erhard Seifried, Christian Seidl
In t. J. Immunogenet. 2009. 36:383-4



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2008

- ▶ **n-Nonanoyl-CCL14 (NNY-CCL14), a novel inhibitor of allergic airway inflammation is a partial agonist of human CCR2.**

Shipra Gupta, G. Erdmann, Sandra Schulz-Maronde, Sylvia Esther, Rudolf Richter, Wolf-Georg Forssmann, Jörn Elsner, Ulf Forssmann.
Allergy 2008. 63:1317-23

2006

- ▶ **Increase of Expression and Activation of the Chemokine CCL15 in End Stage Renal Failure.**

Rudolf Richter, Ulf Forssmann, Adjoa Boateng Frimpong, Sylvia Esther, Wolf-Georg Forssmann.
Res. Commun. 2006. 345:1504-12

2005

- ▶ **Cloning, expression, and functional characterization of cynomolgus monkey (Macaca fascicularis) CC chemokine receptor 1.**

Shipra Gupta, Sandra Schulz-Maronde, Christian Kutzleb, Rudolf Richter, Wolf-Georg Forssmann, Alexander Kapp, Ulf Forssmann, Jörn Elsner.
Leukoc Biol. 2005. 78:1175-84

- ▶ **Human Cord Blood Generates Hepatocyte-Like Cells with Higher Efficacy Than Mouse Bone Marrow Cells.**

Amar Deep Sharma, Tobias Cantz, Reinhard Henschler, Klaus Eckert, Rudolf Richter, Andrea Jochheim-Richter, Michael Ott
Am. J. Pathology 2005. 167:555-64

- ▶ **Quantum Proteolytic Activation of Chemokine CCL15 by Neutrophil Granulocytes Modulates Mononuclear Cell Adhesiveness.**

Rudolf Richter, Roxana Bistran, Sylvia Escher, Wolf-Georg Forssmann, Jalal Vakili, Reinhard Henschler, Nikolaj Spodsberg, Adjoa Frimpong-Boateng, Ulf Forssmann
J. Immunol. 2005. 175:1599-608

2003

- ▶ **Characterization of Human Circulating TIG2 as a Ligand for the Orphan Receptor ChemR23.**

Wolfgang Meder, Martin Wendland, Annette Busmann, Christian Kutzleb, Nikolaj Spodsberg, Harald John, Rudolf Richter, Detlev Schleuder, Markus Meyer, Wolf-Georg Forssmann
FEBS Lett. 2003. 555:495-9

2000

- ▶ **Post-Translationally Processed Forms of the Human Chemokine HCC-1.**

Rudolf Richter, Peter Schulz-Knappe, Harald John, Wolf-Georg Forssmann
Biochemistry 2000. 39:10799-805



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1999

- ▶ **Composition of the peptide fraction in human blood plasma: database of circulating peptides.**

Rudolf Richter, Peter Schulz-Knappe, Michael Schrader, Ludger Ständker, Rüdiger Hess, Michael Jürgens, Harald Tammen, Manfred Raida, Wolf-Georg Forssmann
J. Chromatogr. B Biomed. Sci. Appl. 1999. 726: 25-35

- ▶ **Proteolytic cleavage of glucagons-like peptide-1 by pancreatic beta cells and by fetal calf serum analysed by mass spectrometry.**

Harald Tammen, Wolf-Georg Forssmann, Rudolf Richter
J. Chromatography A. 1999. 852: 285-295

1998

- ▶ **Equine Cardiodilatin / Atrial Natriuretic Peptide: Primary Structure and Immunohistochemical Localization in Auricular Cardiocytes**

Rudolf Richter, Jürgen Magert, Hiroharo Mifune, Peter Schulz-Knappe, Wolf-Georg Forssmann

Acta Anat. 1998. 162: 185-193

Erschienen auch in: Current Awareness in Biomedicine from Sheffield: *Atrial Natriuretic Peptides*, Vol 14(4), 1999

1997

- ▶ **Urodilatin is involved in sodium homeostasis and exerts sodium-state-dependent natriuretic and diuretic effects.**

Markus Meyer, Rudolf Richter, Reinhard Brunkhorst, Eike Wrenger, Peter Schulz-Knappe, Andreas Kist, Peter Mentz, Ernst Brabant, Karl Martin Koch, Gerd Reckemmer, Wolf-Georg Forssmann

J. Chromatogr. A 1997. 776: 125-132

1997

- ▶ **Urodilatin is involved in sodium homeostasis and exerts sodium-state-dependent natriuretic and diuretic effects.**

Markus Meyer, Rudolf Richter, Reinhard Brunkhorst, Eike Wrenger, Peter Schulz-Knappe, Andreas Kist, Peter Mentz, Ernst Brabant, Karl Martin Koch, Gerd Reckemmer, Wolf-Georg Forssmann

J. Chromatogr. A 1997. 776: 125-132

1995

- ▶ **Detection of immunoreactive atrial and brain natriuretic peptides in the equine atrium.**

Markus Meyer, Rudolf Richter, Reinhard Brunkhorst, Eike Wrenger, Peter Schulz-Knappe, Andreas Kist, Peter Mentz, Ernst Brabant, Karl Martin Koch, Gerd Reckemmer, Wolf-Georg Forssmann

Anatomy and Embryology 1995. 192, 117-121.



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Buchbeiträge und Übersichtsartikel

2016

► **Chemokine CCL15**

Rudolf Richter, Shipra Gupta, Ulf Forssmann
Michael Parnham ©Springer Basel 2016
DOI 10.1007/978-3-0348-0620-6_238-1
Encyclopedia of Inflammatory Diseases 2016

► **Chemokine CCL14**

Shipra Gupta, Rudolf Richter, Ulf Forssmann
Michael Parnham ©Springer Basel 2016
10.1007/978-3-0348-0620-6_236-1
Encyclopedia of Inflammatory Diseases 2016

2014

► **Progress in characterization, preparation and clinical applications of non-hematopoietic stem cells**

Richard Schäfer, Massimo Dominici, Ingo Muller, Francesco Dazzi, Karen Bieback, Kathrin Godthardt, Katarina Le Blanc, Roland Meisel, Radhika Pochampally, Rudolf Richter, Thomas Skutella, Gustav Steinhoff, Michael Mitterberger, Hans P. Wendel, Jakob Wiskirchen, 'hapert Handgretinger, Hinnak Northoff.
29-30 September 2006, Tübingen, Germany
Cytotherapy. 2007. 9:397-405

1998

► **Review: The Endocrine Heart and Natriuretic Peptides: Histochemistry, Cell Biology, and Functional Aspects of the Renal Urodilation System**

Wolf-Georg Forssmann, Rudolf Richter, Markus Meyer
Histochem. Cell. Biol. /998. 110: 335-357

► **Urodilatin: a Natriuretic Peptide with Clinical Applications**

Wolf-Georg Forssmann, Rudolf Richter, Markus Meyer
Eur. J. Mecl. Res. 1998. 3: 103-110

► **Peptide Trapping from Human Blood (1998)**

Peter Schulz-Knappe, Manfred Raida, Rüdiger Hiess, Burkhard Kleemeier, Rudolf Richter, Michael Schrader, Ludger Standker, and Wolf-Georg Forssmann
PEPTIDES 96, R. Ramage and R. Epton (Eds.) pp. 795-796 MPG Books, Cornwall, U.K.

Patentschrift

► **Human chondroosteornodulin (fig2), production, and use for the treatment or diagnosis of bone diseases, cartilage diseases, obesity, inflammatory diseases, and skin diseases**

Europäisches Patent: EP1556488 A2 (2005)
Internationales Patent: PCT WO 2004/039978 A3 (2004)



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► **Use of Chemokine Receptor Agonists for Stern Cell Transplantation.**

Europäisches Patent: EP1605966 AI (2005)

Internationales Patent: PCT W02004084931 AI (2004)

► **Human Chemokine HCC-1 Polypeptides to Improve Stern Cell Transplantation**

Europäisches Patent: EP1675870 AI (2006)

Internationales Patent: PCT WO 2005/040209 AI (2005)