



KIRSTEN WEIGEL-VAN AKEN, M.D.

REGISTERED PATENT ATTORNEY

B.S. Pre-Clinical Studies
University of Heidelberg School of Medicine

M.D. University of Heidelberg School of Medicine

J.D. *cum laude*
University of Florida Levin College of Law
Managing Editor, Florida Law Review

AREAS OF PRACTICE

- U.S. and International Patent Procurement and Enforcement Strategy
- Patentability Opinions
- Freedom-to-Operate, Validity, Infringement Opinions

TECHNOLOGY AREAS

- Cell Biology
- Immunology
- Oncology
- Cardiology
- Gene Therapy
- Molecular Biology
- Biotechnology
- Protein Therapeutics
- Nucleic Acid Therapeutics
- Viral and Non-Viral Delivery Systems
- Agricultural Products
- Medical Devices

PRIOR PROFESSIONAL EXPERIENCE

- Over 10 years of experience as a Biotechnology/Pharmaceutical Patent Attorney at boutique IP law firms
- Assistant Professor, Division of Cellular and Molecular Therapy, Department of Pediatrics, University of Florida College of Medicine
- Assistant Scientist, Department of Microbiology & Immunology, and Walther Oncology Center, Indiana University School of Medicine
- Postdoctoral Research Fellow, Department of Microbiology & Immunology, and Walther Oncology Center, Indiana University School of Medicine

AWARDS AND RECOGNITION

- Research Fellowship of the German Research Foundation
- Certificate in Intellectual Property Law, University of Florida Levin College of Law

LANGUAGE CAPABILITIES

English, German

PROFESSIONAL MEMBERSHIPS & ACTIVITIES

- Registered to Practice before the United States Patent and Trademark Office (USPTO)
- Member, American Society for Gene and Cell Therapy
- Reviewer for Cancer Research, Clinical Cancer Research, Human Gene Therapy, Gene Therapy, Journal of Virology, and PLoS ONE

SELECTED PUBLICATIONS

- Lactic acid induces aberrant amyloid precursor protein processing by promoting its interaction with endoplasmic reticulum chaperone proteins. PLoS ONE: e13820, 2010.
- Pharmacological activation of guanine nucleotide exchange factors for the small GTPase Rap1 recruits high affinity $\beta 1$ integrins as co-receptors for parvovirus B19: improved ex vivo gene transfer to human erythroid progenitor cells. Hum Gene Ther. 20: 1-14, 2009.
- Tyrosine-phosphorylation of AAV2 vectors and its consequences on viral intracellular trafficking and transgene expression. Virology 381: 194-202, 2008
- $\alpha 5 \beta 1$ integrin as a cellular coreceptor for human parvovirus B19: requirement of functional activation of $\beta 1$ integrin for viral entry. Blood vol. 102 no. 12 3927-3933, 2003.
- Recombinant Human Parvovirus B19 Vectors: Erythrocyte P Antigen Is Necessary but Not Sufficient for Successful Transduction of Human Hematopoietic Cells. J Virol. 75(9): 4110-4116, 2001.



WWW.SLEPATENTS.COM

KAW@slepatents.com | Phone: (352) 375-8100 | Fax: (352) 372-5800