

## Curriculum Vitae

**Petra Knaup-Gregori** apl. Professor, Dr. sc. hum.  
d.o.b. September 28th, 1967, in Recklinghausen, Germany

### University Education

2004 Habilitation Medical Informatics, Private University for Health Sciences, Medical Informatics and Technology - UMIT (Hall in Tirol, Austria, formerly in Innsbruck)  
1994 Doctorate Theoretical Medicine, University of Heidelberg, Medical Faculty  
1986–1991 Studies of Medical Informatics University of Heidelberg and University of Applied Sciences Heilbronn

### Scientific Career

Since 2021 Deputy Director of Institute of Medical Informatics, Heidelberg University Hospital  
2012-2021 Head of Medical Informatics Section of the Institute of Medical Biometry and Informatics, University of Heidelberg  
2009 APL-Professor for Medical Informatics at Heidelberg  
2007 Venia Legendi for Medical Informatics at Heidelberg University  
2005 Venia Docendi for Medical Informatics at UMIT  
2001-2004 Parental leave, two children  
1998 / 99 Sabbatical in the Department of Medical Informatics at Maastricht University, The Netherlands, Director: Prof. Dr. Arie Hasman  
1998 Medical Informatics Certificate of the German Society for Medical Informatics, Biometry and Epidemiology (GMDS) e.V. and the German Society for Informatics (GI) e.V.  
1991-2021 Researcher at Institute of Medical Biometry and Informatics, University of Heidelberg

### Awards and Honors

Since 2020 Member of the Review Board Medicine of the German Research Association (DFG)  
since 2020 Editor in chief of the journal *GMS Medizinische Informatik, Biometrie und Epidemiologie*  
2017-2020 Associate Editor of the journal 'Biomedical Engineering, Biomedizinische Technik'  
since 2012 Head of Working Group 'Information Management in Medicine' of the German Society for Biomedical Engineering  
2011-2020 Editor Medical Informatics of the journal *GMS Medizinische Informatik, Biometrie und Epidemiologie*  
2011- 2018 Representative of GMDS in the International Medical Informatics Association (IMIA)  
since 2011 member of the editorial board of the journal *Methods of Information in Medicine*  
2010-2015 Member of the editorial board of the *International Journal of Clinical Bioinformatics*  
2010-2012 Elected Head of Medical Informatics board of the German Association for Medical Informatics, Biometry and Epidemiology (GMDS)  
2010-2012 Member of the board of GMDS  
2006-2008 Elected Head of Medical Informatics board of GMDS  
2006-2008 Member of the board of GMDS  
2000 International telematics award 2000 from Federal Ministry of Health for the 'most successful application in telemedicine'

### Citation Record

Total citations: 3,075; h-index:28; h-index since 2017: 16 (Google Scholar August 26<sup>th</sup>, 2022)

## Top-10 selected Publications

Benning, NH.; **Knaup, P.**; Rupp, R.: Measurement Performance of Activity Measurements with Newer Generation of Apple Watch in Wheelchair Users with Spinal Cord Injury. **Methods Inf Med**, 2021, 60(S 02):e103-e110, doi: 10.1055/s-0041-1740236.

Gietzelt, M.; Karmen, C.; **Knaup-Gregori, P.**; Ganzinger, M.: vivaGen - a survival data set generator for software testing. **BMC Bioinformatics**, 2020, 21(1):167. doi: 10.1186/s12859-020-3478-x.

Ganzinger, M.; Schrod, J.; **Knaup, P.**: A Concept for Graph-Based Temporal Similarity of Patient Data. **Studies in Health Technology and Informatics**, 2019, ;264:138-142. doi: 10.3233/SHTI190199.

Karmen, C.; Gietzelt, M.; **Knaup-Gregori, P.**; Ganzinger, M.: Methods for a similarity measure for clinical attributes based on survival data analysis. **BMC Medical Informatics and Decision Making**, 2019, 19(1):195. doi: 10.1186/s12911-019-0917-6

Mai, E.; Haas, E.M.; Luecke, S.; Loepprich, M.; Kunz, C.; Pritsch, M.; **Knaup-Gregori, P.**; Raab, M.; Schlenzka, J.; Bertsch, U.; Hillengass, J.; Goldschmidt, H.: A systematic classification of death causes in multiple myeloma. **Blood Cancer Journal**, 2018, 8(3):30. doi: 10.1038/s41408-018-0068-5

Ganzinger, M.; **Knaup, P.**: Information management for enabling systems medicine. **Current Directions in Biomedical Engineering**, 2017, 3(2) 501-504. DOI: 10.1515/cdbme-2017-0105

Lopprich, M.; Krauss, F.; Ganzinger, M.; Senghas, K.; Riezler, S.; **Knaup, P.**: Automated Classification of Selected Data Elements from Free-text Diagnostic Reports for Clinical Research. **Methods of Information in Medicine**, 2016, 55(4):373-80. doi: 10.3414/ME15-02-0019

Firnkorn, D.; Ganzinger, M.; Muley, T.; Thomas, M.; **Knaup, P.**: A Generic Data Harmonization Process for Cross-linked Research and Network Interaction: Construction and Application for the Lung Cancer Phenotype Database of the German Center for Lung Research. **Methods Inf Med**, 2015, 54(5):455-60. doi: 10.3414/ME14-02-0030.

Ganzinger, M.; **Knaup, P.**: Requirements for data integration platforms in biomedical research networks: a reference model. **PeerJ**, 2015, 3:e755. doi: 10.7717/peerj.755 e755, 2015.

Ganzinger, M.; He, S.; Breuhahn, K.; **Knaup, P.**: On the Ontology Based Representation of Cell Lines. **PLoS ONE**, 2012, 7(11):e48584. doi: 10.1371/journal.pone.0048584.