



Prof. Dr. rer. nat. Dirk Labudde



Curriculum vitae

School attendance

Sep.1973 July	Polytechnischen Oberschule in Neubrandenburg
Sep.1983 - July 1985	Erweiterte Oberschule in Neubrandenburg
July 1985	School leaving examination

Study

Sep.1988 - Sep.1993	Department of Physics, University Rostock
July 1992	Exams
Jan.1993 - Sep.1993	Diploma thesis in theoretical physics (University Rostock)
Sep. 1993	Diploma
Sep.1992 - Jan.1993	College Enschede (Netherlands)
Nov. 1994 - April 1997	Study (University Kaiserslautern) medical physics

Post-study activities

Oct.1993 - Dec. 1993	SFB "Dichte Plasmen" (University Rostock)
Jan.1994 - Dec.1995	Grand of the Federal State Mecklenburg-Vorpommern
Jan.1996 - Dec.1997	Research assistant (University Rostock)
Nov.1997	Ph.D. graduation in theoretical physics (University Rostock)
Sep.1994 - Mar. 1999	College Lecturer on Medical School in Neubrandenburg
Jan. 1998 - Dez. 1998	Neurosurgery clinical center Neubrandenburg
Mar. 1999 - Sep. 2004	Research assistant at FMP Berlin
Okt. 2004 - Nov. 2004	Research assistant at TU Munich
Dec. 2004 - present	Research assistant at TU Dresden
Mar. 2009 - present	Professor for Bioinformatics at University of Applied Sciences Mittweida

AWARDS

2014

- *Sächsischer Lehrpreis 2014 der Hochschule Mittweida*

2012

- *Helmut-Lindner-Preis für exzellente Lehre der Hochschule Mittweida*

2009

- *1. Platz Science4Life und Venture Cup mit Biotech-Startup Nanometis*
- *1. Platz futureSAX Wettbewerb*

PUBLICATIONS

2015

CONFERENCE PAPER

- *"eProS- A Bioinformatics Knowledgebase, Toolbox and Database for Characterizing Protein Function"*
authors: Florian Heinke, Daniel Stockmann, Stefan Schildbach, Mathias Langer, Dirk Labudde
where: 11th International Conference - Beyond Databases, Architectures and Structures (BDAS)
- *"Towards Predictive Policing: Knowledge-based Monitoring of Social Networks"*
authors: Michael Spranger, Florian Heinke, Steffen Grunert, Dirk Labudde
where: IMMM2015

PAPER

- *"PIPINO - a software package to facilitate the identification of protein-protein interactions from affinity purification mass spectrometry data"*
authors: Stefan Kalkhof, Stefan Schildbach, Conny Blumert, Friedemann Horn, Martin Von Bergen, Dirk Labudde
where: Journal BioMed Research International
- *"Numeric Promoter Description - A Comparative View On Concepts And General Application"*
authors: Sven Becker, Dirk Labudde
where: Journal of Molecular Graphics and Modelling
- *"Computergestützte Gesichtswerteilrekonstruktion mittels Open-Source-Software"*
authors: Sven Becker, Dirk Labudde
where: Rechtsmedizin
- *"Fit3D - A web application for highly accurate screening of spatial residue patterns in protein structure data" wurde akzeptiert*
authors: Florian Kasier, Alexander Eisold, Sebastian Bittrich, Dirk Labudde
where: Journal Oxford Bioinformatics
- *"Initial experience in the application of the PowerQuant™ system and the Investigator® ESSplex SE QS kit for aDNA analysis"*
authors: Anne-Marie Pflugbeil, S. Groß, J. Rothe, Florian Heinke, H. Bruchhaus, J. Edelmann, Dirk Labudde, J. Dreßler, K. Thiele
where: Forensic Science International: Genetics
- *"OEZY - Optimising EnZYme selection for best performing terminal restriction fragment length polymorphism (TRFLP) analysis using ARB"*
authors: Martin Mühling Rico Beier, Patricia Müller, Patrick Petzsch, Anna Drechsel, Michael Schläömann, Dirk Labudde

where: Methods in Ecology and Evolution

- *"Molekulargenetische Studie an einem Grabungsfund aus der römischen Kaiser- und Völkerwanderungszeit (4./5. Jahrhundert) mittels autosomaler und Y-chromosomaler STR Marker"*
authors: M. Harthun, A.-M. Pflugbeil, N. Friedewald, D. Labudde, J. Edelmann, H. Bruchhaus, J. Dreßler und K. Thiele
where: Rechtsmedizin
- *"Time saving strategies for DNA investigations of highly post-mortem modified skeletons - A contribution to DVI -"*
authors: A.-M. Pflugbeil, M. Harthun, D. Labudde, J. Edelmann, J. Dreßler, und K. Thiele
where: Rechtsmedizin
- *"The observation of evolutionary interaction pattern pairs in membrane proteins"*
authors: Steffen Grunert, Dirk Labudde
where: BMC Structural Biology

POSTER

- *"GENOTYPING OF 52 Y-CHROMOSOMAL HAPLOGROUP SPECIFIC SNPS FOR SKELETAL REMAINS FROM AN EXCAVATION FIND FROM THE MIGRATION PERIOD"*
authors: A.-M. Pflugbeil, M. Harthun, H. Bruchhaus, J. Edelmann, Dirk Labudde, J. Dreßler and K. Thiele
where: 26th World Congress of the International Society for Forensic Genetics
- *"INITIAL EXPERIENCE IN THE APPLICATION OF THE POWERQUANT SYSTEM AND THE ESSPLEX SE QS KIT FOR ANCIENT DNA ANALYSIS"*
authors: A.-M. Pflugbeil, J. Rothe, H. Bruchhaus, J. Edelmann, Dirk Labudde, J. Dreßler and K. Thiele
where: 26th World Congress of the International Society for Forensic Genetics

2014

CONFERENCE PAPER

- *"Semantic-Tools for Forensics - Methoden der computergestützten semantischen Textanalyse"*
authors: Dirk Labudde, Michael Spranger
where: Bund Deutscher Kriminalbeamter - Auswertung von Massendaten
- *"Protein Energy Profiling and Application to Protein-Protein Interaction Networks"*
authors: Florian Heinke, Dirk Labudde
where: GETGEOWEB 2014
- *"How the evolution has spawned discriminative sequence motifs to realize the three-dimensional fold"*
authors: Steffen Grunert, Dirk Labudde
where: GETGEOWEB 2014
- *"Semantic Tools for Forensics: Towards Finding Evidence in Short Messages"*
authors: Spranger Michael, Dirk Labudde
where: The Fourth International Conference on Advances in Information Mining and Management :: IMMM2014
- *"Hybrid Cloud Architecture for Software-as-a-Service Provider to Achieve Higher Privacy and Decrease Security Concerns about Cloud Computing"*
authors: Paul Reinhold, Wolfgang Benn (Technische Universität Chemnitz), Frank Goetz (Qualitype GmbH), Dirk Labudde
where: The Fifth International Conference on Cloud Computing, GRIDs, and Virtualization
- *"Konzeption einer hybrid Cloud Architektur für Software-as-a-Service Provider zur Erhöhung des Datenschutzes und Verringerung der Sicherheitsbedenken gegen Cloud Computing"*
authors: Paul Reinhold, Dirk Labudde
where: 15. Nachwuchswissenschaftlerkonferenz
- *"Establishment of mitochondrial SNPs for aDNA analysis in forensic anthropology and molecular genetics"*

- authors:** Anne-Marie Pflugbeil, Dirk Labudde
where: 15. Nachwuchswissenschaftlerkonferenz
- *"Darstellung und Alignment von Graphen aus CID- und nicht CID-Spektren einer FT-ICR-Massenspektrometrie"*
authors: Marleen Kreuzer, Dirk Labudde
where: 15. Nachwuchswissenschaftlerkonferenz
 - *"Indexing strategies of biological sequences for the use of the Intelligent Cluster Index (ICIX)"*
authors: Stefan Schildbach, Dirk Labudde
where: 15. Nachwuchswissenschaftlerkonferenz
 - *"Extensive study of the serine proteases catalytic triad in structural biology"*
authors: Florian Kaiser, Dirk Labudde
where: 15. Nachwuchswissenschaftlerkonferenz
 - *"Potential of a novel aptamer-based filter system for endocrine disruptors and pharmaceutical drugs in drinking water"*
authors: Alexander Eisold, Susanne Jacob, Carolin Pohl, Elke Boschke, Dirk Labudde
where: 15. Nachwuchswissenschaftlerkonferenz

PAPER

- *"Evolutionary influenced interaction pattern as indicator for the investigation of natural variants causing nephrogenic diabetes insipidus"*
authors: Steffen Grunert, Dirk Labudde
where: Computational and Mathematical Methods in Medicine :: Hindawi Publishing Corporation
- *"A novel algorithm for enhanced structural motif matching in proteins"*
authors: Florian Kaiser, Alexander Eisold, Dirk Labudde
where: Journal of Computational Biology
- *"Resilienz-Engineering in Multiebenen- und Multistakeholdersystemen - Prozessbasiertes und IKT-gestütztes Wissensmanagement für Monitoring und Evaluation von Chancen und Risiken neuer Technologien"*
authors: Michael Spranger, Anne-Marie Pflugbeil, Sabine Frisch, K. Thiele, Dirk Labudde
where: 14. Forum Katastrophenvorsorge Akteure verbinden - Lösungen finden: Katastrophenvorsorge im Dialog zwischen Wissenschaft und Praxis
- *"Introducing a Scalable Encryption Layer to Address Privacy and Security Issues in Hybrid Cloud Environments"*
authors: Paul Reinhold, Dirk Labudde
where: The International Journal on Advances in Software in, v 7 n 3&4 2014
- *"Towards Establishing an Expert System for Forensic Text Analysis"*
authors: Spranger Michael, Dirk Labudde
where: International Journal On Advances in Intelligent Systems, v 7 n 1&2 2014
- *"Scaffold preferences of mesenchymal stromal cells (MSC) and adipose-derived stem cells (ASC) from GFP transgenic mice influence bone tissue engineering"*
authors: Gretel Wittenburg (Universitätsklinikum Dresden), Viktoria Flade (Universitätsklinikum Dresden), Annette Garbe (CRT-Dresden), Günter Lauer (Universitätsklinikum Dresden), Labudde Dirk
where: The British Journal of Oral & Maxillofacial Surgery
- *"New strategies for evaluation and analysis of SELEX experiments"*
authors: Rico Beier, Elke Boschke, Dirk Labudde
where: BioMed Research International :: Novel Computing Technologies for Bioinformatics and Cheminformatics

POSTER

- *"Development of a novel aptamer-based filter system for endocrine disruptors and pharmaceutical drugs in drinking water"*
authors: Eisold Alexander, Kaiser Florian, Boschke Elke, Labudde Dirk
where: bionection Partnering Conference for Technology Transfer in Life Sciences

2013

CONFERENCE PAPER

- *"Selection of a DNA Aptamer against Norovirus Capsid Protein VP1."*
authors: Beier R, Pahlke C, Quenzel P, Henseleit A, Boschke E, Cuniberti G, Labudde D.
where: FEMS Microbiology Letters
- *"Semantic Tools for Forensics: Ein neuer Ansatz zur forensischen Textanalyse"*
authors: Michael Spranger, Dirk Labudde
where: Symposium Neue Technologien 2013
- *"Semantic Tools for Forensics: Approaches in Forensic Text Analysis"*
authors: Michael Spranger, Dirk Labudde
where: IMMM 2013, The Third International Conference on Advances in Information Mining and Management; ISBN: 978-1-61208-311-7
- *"eProS - An online Toolbox, Knowledgebase and Repository for Protein Energy Profiling"*
authors: Florian Heinke, Stefan Schildbach, Daniel Stockmann, Dirk Labudde
where: International Conference on Applied Informatics for Health and Life Sciences
- *"Evolution conserved spatial residue interactions of alpha-helical membrane protein structures to 2.5d chart information presentation"*
authors: Steffen Grunert, Christoph Leberecht, Dirk Labudde
where: International Conference on Applied Informatics for Health and Life Sciences
- *"Establishing a Question Answering System for Forensic Texts"*
authors: Michael Spranger, Dirk Labudde
where: 3rd International Conference on Integrated Information, IC-ININFO ISSN: 1877-0428
- *"Alignment-free clustering of aptamer sequences for detection of sequence motifs relevant for target binding"*
authors: Rico Beier, Dirk Labudde
where: 13th Workshop on Algorithms in Bioinformatics (WABI 2013)

PAPER

- *"Graph representation of high-dimensional alpha-helical membrane protein data"*
authors: Steffen Grunert, Dirk Labudde
where: BMC BioData Mining
- *"Nanoscale topographic changes on sterilized glass surfaces affect cell adhesion and spreading."*
authors: Wittenburg G., Lauer G., Oswald S., Labudde D., Franz CM.
where: Journal of Biomedical Materials Research Part A
- *"Analysis of the STAT3 interactome using in-situ biotinylation and SILAC"*
authors: Stefan Kalkhof, Conny Blumert, Riccardo Brumm, Stefan Schildbach, Dirk Labudde, Friedemann Horn, Martin von Bergen
where: 61st ASMS Conference on Mass Spectrometry and Allied Topics
- *"Structure topology prediction of discriminative sequence motifs in membrane proteins with domains of unknown functions"*
authors: Steffen Grunert, Florian Heinke, Dirk Labudde
where: Hindawi - Structural Biology

POSTER

- *"Know-how im Katastrophenfall: Molekulargenetische Analysen an Knochenmaterial hochgradig postmortal veränderter Leichen"*

authors: K. Thiele, A.M. Pflugbeil, H. Bruchhaus, S. Becker, S. Jeraufke, E. Seidel, J. Edelmann, D. Labudde, J. Dreßler.

where: 92. Jahrestagung der Deutschen Gesellschaft für Rechtsmedizin

- *"PREDICTION OF PROLYL CIS/TRANS ISOMERIZATION WITH STRUCTURAL ENVIRONMENT INFORMATION"*

authors: Florian Kaiser, Alexander Eisold, Dirk Labudde

where: 3DSIG

- *"A Molecular Switch: Understanding and Predicting the Xaa-Proline cis/trans Isomerization with 3D Protein Structural Information"*

authors: Florian Kaiser, Alexander Eisold, Dirk Labudde

where: NWK14

- *"Detection of architecture motifs in helical regions of membrane proteins with domains of unknown functions"*

authors: Steffen Grunert, Dirk Labudde

where: NWK14

- *"An Alternative View on the Evolutionary History of Tumour Suppressor Protein Domain BRCT"*

authors: Florian Heinke, Mathias Langer, Dirk Labudde

where: NWK14

- *"RNA/DNA als Medikamente? Clustering von Nukleotidsequenzen auf Basis gemeinsam enthaltener Sequenzmotive"*

authors: Rico Beier, Dirk Labudde

where: NWK14

- *"Ontologies for Information Extraction in Forensic Texts"*

authors: Michael Spranger, Stefan Schildbach, Dirk Labudde

where: NWK14

2012

PAPER

- *"Semantic Tools for Forensics: A Highly Adaptable Framework"*

authors: Michael Spranger, Stefan Schildbach, Florian Heinke, Steffen Grunert, Dirk Labudde

where: ThinkMind ISBN: 978-1-61208-227-1

- *"eProS - A Database and Toolbox for Investigating Protein Sequence-Structure-Function Relationships through Energy Profiles"*

authors: Florian Heinke, Stefan Schildbach, Daniel Stockmann, Dirk Labudde

where: Nucleic Acids Research / Oxford Journals

POSTER

- *"Analysis of Next Generation Sequencing data from SELEX experiments against Norovirus"*

authors: Philipp Quenzel, Rico Beier, Dirk Labudde, Thomas Bley, Elke Boschke

where: BIOTECFORUM 2012

- *"In silico optimisation of phageand nucleotid libraries to obtain targetspecific aptamers"*

authors: R. Beier, C. Kühn, P. Quenzel, S. Mulansky, E. Boschke, D. Labudde

where: Hamburg

- *"eProS A Database and Toolbox for large-scale Analyses of energetic Properties that determine Protein Structure and Function"*

authors: Florian Heinke, Stefan Schildbach, Daniel Stockmann, Dirk Labudde

where: German Conference on Bioinformatics 2012

- *"Topology separation of discriminative sequence motifs located in membrane proteins with domains of unknown functions"*

- authors:** Steffen Grunert, Heinke Florian, Labudde Dirk
where: German Conference on Bioinformatics 2012
- *"Structure topology prediction of dicriminative protein sequence motifs in domains of unknown function (Poster: Position separation of discriminative sequence motifs with protein domains of unknown functions)"*
authors: Steffen Grunert, Heinke Florian, Labudde Dirk
where: Saxon Biotechnology Symposium 2012 ISBN: 978-3-00-038523-0 Posters 7. Bioinformatics / 7.5
 - *"eGOR - Predicting the total potential energy of a proteins native state by sequence"*
authors: Heinke Florian, Steffen Grunert, Labudde Dirk
where: Saxon Biotechnology Symposium 2012 ISBN: 978-3-00-038523-0 Posters 7. Bioinformatics / 7.6
 - *"Identifying functional synonymous and non-synonymous Mutations by means of coarse-grained energy-weighted Residue-Residue Contact Networks: A Case Study of human HGPRT mutations leading to Lesch-Nyhan disease"*
authors: Heinke Florian, Steffen Grunert, Michael Spranger, Labudde Dirk
where: 6th CRTD Summer Conference on Regenerative Medicine
-
- *"Protein-protein interaction networks"*
authors: WILLIAM ANDREOPOULOS, Dirk Labudde
where: Basic Methods in Protein Purification and Analysis (iConcept Press)
 - *"Predicting functionality of the non- expressed putative human OHCU decarboxylase by means of novel protein energy profile-based methods."*
authors: Heinke Florian, Labudde Dirk
where: 13. Nachwuchswissenschaftlerkonferenz (NWK)
 - *"Predicting functionality of the non- expressed putative human OHCU decarboxylase by means of novel protein energy profile-based methods."*
authors: Heinke Florian, Labudde Dirk
where: 13. Nachwuchswissenschaftlerkonferenz (NWK)
 - *"Verraten unsere Gene wer wir Sind? Die Rolle der Bioinformatik in der Forensik und Populationsgenetik"*
authors: Pflugbeil A.-M., Labudde Dirk
where: BioS 2/61
 - *"Membrane protein stability analyses by means of protein energy profiles in case of nephrogenic Diabetes insipidus"*
authors: Heinke Florian, Labudde Dirk
where:
 - *"Analysis of Membrane Protein Stability in Diabetes Insipidus"*
authors: Heinke Florian, Tukkanen Anne, Labudde Dirk
where: DIABETES INSIPIDUS - edited by KYUZI Kamoi - ISBN: 978-953-307-367-5

2011

- *"Efficient unfolding pattern recognition in single molecule force spectroscopy data. "*
authors: Andreopoulos B, Labudde D. Efficient
where: Algorithms Mol Biol. 6(1):16
- *"Energy based Prediction and Comparison of Protein Structures"*
authors: Heinke F. , Labudde D. , Brand M. , Schroeder M. , Seidel R. , Robitzki A. , Reichenbacher A. , Straeter N. (Eds.)
where: Saxon Biotechnology Sympoisum - Abstracts
- *"The novel approach eHMM for analyzing membrane proteins in case of HP_0565"*

authors: Pflugbeil A. , Heinke F. , Heinig N. , Labudde D. , Brand M. , Schroeder M. , Seidel R. , Robitzki A. , Reichenbacher A. , Straeter N. (Eds.)

where: Saxon Biotechnology Symposium - Abstracts

- *"Novel prediction algorithm eGOR - from sequence to steable regions in membrane proteins"*
authors: Brumm R. , Frenzel E. , Heinke F. , Labudde D. , Brand M. , Schroeder M. , Seidel R. , Robitzki A. , Reichenbacher A. , Straeter N. (Eds.)
where: Saxon Biotechnology Symposium - Abstracts
- *"Analysis of membrane protein stability in Diabetes insipidus"*
authors: Heinke F. , A. T. , Labudde D. , Brand M. , Schroeder M. , Seidel R. , Robitzki A. , Reichenbacher A. , Straeter N. (Eds.)
where: Saxon Biotechnology Symposium - Abstracts
- *"Analysis of membrane protein stability in Diabetes insipidus"*
authors: Heinke F. , A. , T. , Labudde D.
where: 5th CRTD Summer Conference on Regenerative Medicine

2010

- *"Energy based Prediction and Comparison of Protein Structure"*
authors: Heinke F. , Labudde D. , Schomburg D. , Grote A. (Eds.)
where: German Conference on Bioinformatics – Short Papers and Poster Abstracts

2009

- *"Promoting Diversity in Top Hits for Biomedical Passage Retrieval "*
authors: Bill Andreopoulos, Xiangji Huang, Aijun An, Dirk Labudde and Qinmin Hu
where: Studies in Computational Intelligence, Volume 223/2009, 371-393, DOI: 10.1007/978-3-642-02190-9_18
- *"Triangle network motifs predict complexes by complementing high-error interactomes with structural information. "*
authors: Andreopoulos B, Winter C, Labudde D, Schroeder M.
where: BMC Bioinformatics 10:196
- *"Efficient layered density-based clustering of categorical data. "*
authors: Andreopoulos B, An A, Wang X, Labudde D.
where: J Biomed Inform. 42(2):365-76

2008

- *"Point mutations in membrane proteins reshape energy landscape and populate different unfolding pathways. "*
authors: Sapra KT, Balasubramanian GP, Labudde D, Bowie JU, Muller DJ.
where: J Mol Biol. 376(4):1076-90
- *"Integration of Genomic, Proteomic and Biomedical Information on the Semantic Web. "*
authors: Bill Andreopoulos, Aijun An, Xiangji Huang, Dirk Labudde
where: ER Workshops 33-42

2007

- *"A novel pattern recognition algorithm to classify membrane protein unfolding pathways with high-throughput single-molecule force spectroscopy. "*
authors: Marsico A, Labudde D, Sapra T, Muller DJ, Schroeder M.
where: Bioinformatics 23(2):231-236
- *"Implications for molecular mechanisms of glycoprotein hormone receptors using a new sequence-structure-function analysis resource. "*
authors: Kleinau G, Brehm M, Wiedemann U, Labudde D, Leser U, Krause G.
where: Mol Endocrinol 21(2):574-80
- *"2D Visualisation of SMFS Data on Membrane Proteins."*
authors: Annalisa Marsico, Kerstin Vanselow, Jing Wang, Dirk Labudde
where: ER (Tutorials, Posters, Panels & Industrial Contributions) 79-84
- *"Pattern Recognition of Single-Molecule Force Spectroscopy Data. "*
authors: Dirk Labudde, Annalisa Marsico, K. Tanuj Sapra, Michael Schroeder
where: ER Workshops 3-13
- *"Understanding of SMFS Barriers by Means of Energy Profiles "*
authors: Frank Dressel, Annalisa Marsico, Anne Tuukkanen, Michael Schroeder, Dirk Labudde
where: German Conference on Bioinformatics 90-99

2006

- *"A structure-based analysis of single molecular force spectroscopy data for bacteriorhodopsin and four mutants "*
authors: Marsico, A., Sapra, T.K., Muller, D.J., Schroeder, M. and Labudde, D.
where: Proc. of Computational Life Sciences 162-172
- *"A novel pattern recognition algorithm to classify membrane protein unfolding pathways with high-throughput single molecule force spectroscopy. "*
authors: Marsico A, Labudde D, Sapra T, Muller DJ, Schroeder M
where: Bioinformatics
- *"Analysis assistant for Single-molecule force spectroscopy data on membrane proteins - MPTV "*
authors: Mueller, F., Muller, D.J., Labudde, D.
where: Bioinformatics 22(14):1796-1799

2005

- *"Influence of chemical shift tolerances on NMR structure calculations using ARIA protocols for assigning NOE data. "*
authors: Fossi M, Linge J, Labudde D, Leitner D, Nilges M, Oschkinat H.
where: J Biomol NMR. 31(1):21-34.
- *"A modified strategy for sequence specific assignment of protein NMR spectra based on amino acid type selective experiments. "*
authors: Schubert M, Labudde D, Leitner D, Oschkinat H, Schmieder P.
where: J Biomol NMR. 31(2):115-28
- *"COPS--cis/trans peptide bond conformation prediction of amino acids on the basis of secondary structure information. "*
authors: Pahlke D, Leitner D, Wiedemann U, Labudde D.
where: Bioinformatics. 21(5):685-686

- *"Statistically significant dependence of the Xaa-Pro peptide bond conformation on secondary structure and amino acid sequence. "*
authors: Pahlke D, Freund C, Leitner D, Labudde D.
where: BMC Struct Biol. 5(1):8
 - *"The solution structure of an N-terminally truncated version of the yeast CDC24p PB1 domain shows a different beta-sheet topology. "*
authors: Leitner D, Wahl M, Labudde D, Krause G, Diehl A, Schmieder P, Pires JR, Fossi M, Wiedemann U, Leidert M, Oschkinat H.
where: FEBS Lett. 579(17):3534-8
 - *"Cyclophilin A binds to linear peptide motifs containing a consensus that is present in many human proteins. "*
authors: Piotukh K, Gu W, Kofler M, Labudde D, Helms V, Freund C.
where: J Biol Chem. 280(25):23668-74
 - *"Pattern Recognition of Single-Molecule Force Spectroscopy Data. "*
authors: Michael Kuhn, Harald Janovjak, Maurice Hubain, Dr. Dirk Labudde and Dr. Daniel J. Müller
where: Biophotonics International 12(8)
 - *"Interpretation und Visualisierung von Daten aus der Single-Force Spektroskopie mit dem Membrane Protein Topology Viewer (MPTV) "*
authors: D.Labudde, F.Müller
where: Tagungsband FH Lausitz
-

2004

- *"THE SOLUTION STRUCTURE OF THE SODD BAG-DOMAIN AND A MODEL OF THE SODD-BAG/HAP70 COMPLEX REVEAL ADDITIONAL SODD SUBFAMILY-SPECIFIC ELECTROSTATIC INTERACTIONS "*
authors: C. Brockmann, D.Leitner, D.Labudde, A.Diehl, V.Sievert, K. Büssow, R. Kühne, H.Oschkinat
where: FEBS Lett (Netherlands) 558, 558 101-106
 - *"THE SEP DOMAIN PF P47(171-270) ACTS AS A REVERSIBLE COMPETITIVE INHIBITOR OF CATHEPSIN L "*
authors: M.Soukenik, A.Diehl, M.Leidert, V.Sievert, K.Büssow, D.Leitner, D.Labudde, L.Ball, A.Lechner, D.Nägler, H.Oschkinat
where: FEBS Lett (Netherlands), Oct 22, 576 358-62
-

2003

- *"PREDICTION ALGORITHM FOR AMINO ACID TYPE WITH ITS SECONDARY STRUCTURE IN PROTEINS (PLATON) "*
authors: D.Labudde, D.Leitner, M.Krüger, H.Oschkinat
where: J. Biomol. NMR 25 41-53
 - *"AnCoRe: ANALYSIS OF COMPLEMENTARY RESIDUES "*
authors: U.Wiedemann, D.Labudde, G.Kleinau, G.Krause
where: Currents in Computational Molecular Biology (RECOMB) 105-106
 - *"WIE KLINGEN EIGENTLICH PROTEINE? "*
authors: H.Hildisch and D.Labudde
where: Musikpädagogik-Online
-

2002

- *"AUTOMATED SET UP OF NMR EXPERIMENTS BY PASTE AND PAPSTA "*
authors: D.Labudde, D.Leitner, H.Oschkinat
where: Int. Genomic/Proteomic Technology 1 24-28
- *"ALGORITHM FOR THE CALCULATION OF SHIFTS OF BRAIN AREA "*
authors: D.Labudde, S.Hartmann, M.Synowitz
where: Z.Med.Phys 12 182-190
- *"AUTOMATED SET UP OF NMR EXPERIMENTS BY NEW VERSIONS OF PASTE AND PAPST "*
authors: D.Labudde, D.Leitner, P.Schmieder, H.Oschkinat
where: Bruker Report 150 8-12
- *"RELAXATION, EQUILIBRIUM MULTIMERIZATION AND MOLECULAR SYMMETRY OF THE VASP EVH2 TETRAMER "*
authors: J.Zimmermann, D.Labudde, P.Schmieder, Th.Jarchau, U.Walter, H.Oschkinat, L.Ball
where: Biochemistry 41 11143-11151
- *"NBLA FROM ANABAENA SP. PCC 7120 IS A MOSTLY α -HELICAL PROTEIN UNDERGOING REVERSIBLE TRIMERIZATION IN SOLUTION "*
authors: H.Strauss, R.Misselwitz, D.Labudde, S.Nikklich, K.Baier
where: Eur. J. Biochem. 269 4617-24
- *"A SOFTWARE TOOL FOR THE PREDICTION OF XAA-PRO PEPTIDE BOND CONFORMATION IN PROTEINS BASED ON ^{13}C CHEMICAL SHIFT STATISTICS "*
authors: M.Schubert, D.Labudde, H.Oschkinat, P.Schmieder
where: J. Biomol. NMR 24 149-154

2001

- *"SELF-ASSOCIATION STUDIES ON THE EPHB2 RECEPTOR SAM DOMAIN USING ANALYTICAL ULTRACENTRIFUGATION "*
authors: J.Behlke, D.Labudde, O.Ristau
where: Eur. Biophys. Jour. 30 411-415

1999

- *"VERÄNDERUNGEN IN DER PFLEGEAUSBILDUNG DURCH DIE NUTZUNG ANDERER UNTERRICHTSKONZEPTE TEIL 1: THEORIE "*
authors: D.Labudde, R.Bohn, I.Martens, I.Teetz
where: PflegePädagogik 2 12-15
- *"VERÄNDERUNGEN IN DER PFLEGEAUSBILDUNG DURCH DIE NUTZUNG ANDERER UNTERRICHTSKONZEPTE TEIL 2: PRAKTISCHE UMSETZUNG "*
authors: D.Labudde, R.Bohn, I.Martens, I.Teetz
where: PflegePädagogik 2 15-20

1998

- *"IST LACHGAS BEI NAKOSEN FÜR LAPAROSKOPISCHE OPERATIONEN WIRKLICH KONTRAINDIZIERT? "*

