

Curriculum vitae

Personal data

Name:	Wenke Friedrichs
Address:	Verbindungsschausee 3d 18273 Güstrow
Date of birth:	20.10.1984
Citizenship:	German
Languages:	German (native), English (good), Spanish (basics)

Research and Employment

Since 10/2015	Head of laboratory at the "Landeskontrollverband für Leistungs- und Qualitätsprüfung Mecklenburg-Vorpommern e.V.", Main Laboratory for milk quality control in MV <u>renamed (03/2019)</u> as "Milchkontroll und Rinderzuchtverband eG"
10/2014-09/2015	Research assistant at the "Landeskontrollverband für Leistungs- und Qualitätsprüfung Mecklenburg-Vorpommern e.V.", Main Laboratory for milk quality control in MV
11/2009-09/2014	PHD student at the Institute of Biochemistry, Department of Biophysical Chemistry, University of Greifswald (Germany) under the supervision of Prof. W. Langel
In 2009	HMI Group, Faculty of Production Engineering, University of Bremen (Germany): Student Assistant
08/2008-10/2009	Institute of Biochemistry, Department of Biophysical Chemistry, University of Greifswald (Germany): Student Assistant and Diploma Student under the supervision of Prof. W. Langel
02/2008-03/2008 09/2007 02/2007-03/2007	Internship and laboratory work at the "Landeskontrollverband für Leistungs- und Qualitätsprüfung Mecklenburg-Vorpommern e.V.", Main Laboratory for milk quality control in MV

Education

Since 2015	Constant Educations according to the requirements on quality control in accredited labs (DIN ISO 17025) (executed by the internal quality management representative)
11/2009-09/2014	Ernst-Moritz-Arndt University of Greifswald: PHD student of Biophysical Chemistry (Dr. rer. nat.)
10/2004-08/2019	Ernst-Moritz-Arndt University of Greifswald: Student of Biochemistry (Diploma)
09/1995-08/2004	High School "Barlachgymnasium am Distelberg", Güstrow: Abitur (A-levels)

Publications:

06/2017	"Molecular dynamics simulations on networks of heparin and collagen" – Proteins, Vol. 85, Iss. 6, P. 1119 - 1130
07/2014	"Poly (hexamethylene biguanide) adsorption on hydrogen peroxide treated Ti–Al–V alloys and effects on wettability, antimicrobial efficacy, and cytotoxicity" – Biomaterials, Vol. 35, Iss. 20, P. 5261 - 5277
05/2014	"Atomistic modeling of peptide adsorption on rutile (100) in the presence of water and of contamination by low molecular weight alcohols" – Biointerphases, Vol. 9, Iss. 3, P. 031006-1 - 14
11/2013	"Titanium binding dodecapeptides and the impact of water structure" – Surface Science, Vol. 617, P. 42 - 52
06/2011	"Adsorption of Collagen Nanofibrils on Rough TiO ₂ : A Molecular Dynamics Study" – Advanced Engineering Materials, Vol. 13, Iss. 10, P. B334 – B342

Project Work:

Since 2015	-ARLA Company "One Quality" for all labs who are doing analysis for them (international) -Organization of ring trails/ provision of ring trail samples (international) -working on laws according to the quality of delivered milk (national) -Project work in the DLQ (Deutscher Verband für Leistungs- und Qualitätsprüfungen e.V.) (national) -Working on IR spectral data of raw milk samples (national)
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