

## *Curriculum vitae*

Mag. Karin Strobl, MSc

### Personal Data

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### Current Positions

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**Since 2005 Member of scientific staff**

Danube University Krems, Department for Biomedical Research  
Krems an der Donau, Austria

### Education

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**1994 –2001 University of Vienna (Masters program Nutrition Science),**  
Vienna, Austria

**2001 Graduation** (Magister),

**2011-2016 Danube University Krems (Masters's program Clinical Research),**  
Krems, Austria

**2016 Graduation** (Master of Science)

### Academic and Professional Career

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*Jan 2016 – Dec 2018* **Neue Target-Toxine und Biomarker in extrakorporalen Adsorptionsverfahren**

Danube University Krems, Center for Biomedical Technology, Department for  
Health Sciences & Biomedicine

Krems an der Donau, Austria

*Jan 2015 – Dec 2015* **Biokompatibilität und Verfahrensentwicklung der Citrat-Antikoagulation  
(Phase II)**

Danube University Krems, Center for Biomedical Technology, Department for  
Health Sciences & Biomedicine

Krems an der Donau, Austria

*Jan 2014 – Dec 2014* **Biokompatibilität und Verfahrensentwicklung der Citrat-Antikoagulation**

Danube University Krems, Center for Biomedical Technology, Department for

Health Sciences & Biomedicine

Krems an der Donau, Austria

*Jan 2011 – Dec 2013* **Weiterentwicklung und Optimierung eines automatisierten Systems für die Zitrat-Kalzium Antikoagulation**

Danube University Krems, Center for Biomedical Technology, Department for Health Sciences & Biomedicine

Krems an der Donau, Austria

*Jan 2008 – Dec 2010* **Automatisiertes System zur sicheren Anwendung der Zitrat-Kalzium Antikoagulation in extrakorporalen Kreisläufen II**

Danube University Krems, Center for Biomedical Technology, Department for Health Sciences & Biomedicine

Krems an der Donau, Austria

*Jan 2006 – Dec 2007* **Bioartificial Liver System**

Danube University Krems, Center for Biomedical Technology, Department for Health Sciences & Biomedicine

Krems an der Donau, Austria

*Jan 2006 – Dec 2007* **Bioartifizielles Leberunterstützungssystem: Entwicklung einer Technologie zur Inkapsulierung von humanen Leberzellen sowie deren Einsatz im MDS**

*Since 2009* **Assistence of organisation of university courses**

- MBA Biotech, Pharma & MedTechManagement ( since 2017)
- Ernährung und Sport (2012 - 2018)
- Klinische Ernährungsmedizin (2009 - 2018)

**Appoval/supervision of Project and Master-Thesis in nutritional field (- 2018)**

Danube University Krems, Department for Health Sciences & Biomedicine

Krems an der Donau, Austria

*1999 - 2000* **Organisation of library of the Center for Biomedical Technology Biomedizinische Technologie (1999/2000)**

Danube University Krems, Center for Biomedical Technology, Department for Health Sciences & Biomedicine

Krems an der Donau, Austria

*1998 - 1999* **Bookkeeping of European Society for Artificial Organs (1998 - 1999)**

Danube University Krems, Center for Biomedical Technology, Department for

Health Sciences & Biomedicine

Krems an der Donau, Austria

*Jul 1990 – Sep 1994* **Verrerie Cristallerie d'Arques – Office Austria**

Vienna, Austria

### **Research Interests**

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- Citrate anticoagulation
- Extracorporeal blood purification
- Nutrition

### **Awards**

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*Oct 2007* Award: Innovation Award from the Country of Lower Austria 2007 (Karl Ritter von Ghega Preis)

### **Memberships in Professional Societies**

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**ESAO** European Society of artificial Organs

**AKE** Arbeitsgemeinschaft Klinische Ernährung

**VEÖ** Verband der Ernährungswissenschaftler Österreich

## Peer-Reviewed Articles

J Gubensek, K Strobl, S Harm, R Weiss, T Eichhorn, J Buturovic-Ponikvar, V Weber, J Hartmann: Influence of citrate concentration on the activation of blood cells in an in vitro dialysis setup. PLoS ONE (2018) 13(6):e0199204.

K Strobl, S Harm, V Weber, J Hartmann: The role of ionized calcium and magnesium in regional citrate anticoagulation and its impact on inflammatory parameters. The International journal of artificial organs (2017) 40(1): 15-21.

J Hartmann, K Strobl, D Falkenhagen, S Harm: New Aspects for the Extracorporeal Treatment of Sepsis. The International journal of artificial organs (2017) 40(1): 69-74

K Strobl, J Hartmann, M Wallner, M Brandl, D Falkenhagen: A target-oriented algorithm for citrate-calcium anticoagulation in clinical practice, Blood Purif (2013) 36:136–145.

J Hartmann, K Strobl, U Fichtinger, C Schildbock, D Falkenhagen: In vitro investigations of citrate clearance with different dialysis filters. Int J Artif Organs (2012) 35:352-359.

M Brandl, K Strobl, J Hartmann, K Kellner, T Posnicek, D Falkenhagen: A target orientated algorithm for local citrate-calcium anticoagulation in extracorporeal therapies Blood Purif (2012) 33:7-20.

S Harm, K Strobl, J Hartmann, D Falkenhagen: Alginate-encapsulated human hepatoma C3A cells for use in a bioartificial liver device - the hybrid-MDS. Int J Art Org (2009) 32(11): 769-778.

## Patent

M Brandl, K Strobl, J Hartmann, D Falkenhagen: Verfahren zum Erfassen der Ionenkonzentration bei Citrat-antikoagulierter extrakorporalen Blutreinigung. Patent WO 2009/026603 vom 05.03.2009.