

Curriculum vitae

Mag. Dr. Marwa Mostageer

Personal Data

Date of Birth 10-09-1973, Cairo, Egypt
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Current Positions

Since 2022 Research Scientist
University for Continuing Education, Department for Biomedical Research
Krems, Austria

Education

1999 – 2002 Ph.D. Student at the Centre for Molecular Biology
(Department of Microbiology, Immunobiology and Genetics / University of Vienna) in collaboration with Boehringer Ingelheim Austria
Research field: Downstream analysis of genes overexpressed in cancer
2002 Graduation (Dr.rer.nat.)

1997 – 1998 Diploma student at the Institute of Molecular Biology
(Department for Biochemistry and Cell Biology / University of Vienna)
1998 Graduation (Mag.rer.nat.)
Research field: Selection of cell cycle mutants with the help of 2'-Deoxyadenosine

1993-1998 Studying Genetics at the University of Vienna
1979-1993 German School in Cairo/Egypt (Deutsche Evangelische Oberschule)
1993 German Abitur

Academic and Professional Career

Since 2022 Research Scientist at UWK
University for Continuing Education, Department for Biomedical Research
Research field: Monocyte subset characterization
Krems, Austria

2019-2021 Scientist/Lecturer at FH-Tulln
University of Applied Sciences, Biotech Campus Tulln
Biotechnische Verfahren/ Bio Data Science- Department
Tulln, Austria

2010-2019 Scientist at AFFiRiS

Research fields: FcεRIα-Adsorber for Apheresis in Allergy
Alternative Carriers for Vaccination

AFFiRiS GmbH

Vienna, Austria

2007-2010 Scientist at f-Star

Research field: Yeast display for the selection of highly affine Fcabs
f-Star Biotechnologische Forschungs-und Entwicklungsges.m.b.H
Vienna, Austria

2004-2007 Lecturer/Scientist at the GUC

Research field: Shistosoma induced bladder cancer
German University Cairo, Faculty of Pharmacy and Biotechnology
Cairo, Egypt

2002-2004 Scientist at Axon Neuroscience GmbH

Research field: molecular biology of Alzheimer`s Disease
Axon Neuroscience GmbH
Vienna, Austria

Memberships in Professional Societies

ISEV International Society for Extracellular Vesicles, www.isev.org

ASEV Austrian Society for Extracellular Vesicles, www.asev.at

ESAO European Society for Artificial Organs, www.esao.org

ÖGMBT Österreichische Gesellschaft für Molekulare Biowissenschaften und Biotechnologie,
www.oegmbt.ac.at

Peer-Reviewed Articles

Weiss R, Mostageer M, Eichhorn T, Huber S, Egger D, Spittler A, Tripisciano C, Kasper C, Weber V. (2024) The fluorochrome-to-protein ratio is crucial for the flow cytometric detection of tissue factor on extracellular vesicles. *Sci.Rep.* 14: 6419

Eichhorn T, Weiss R, Huber S, Ebeyer-Masotta M, Mostageer M, Emprechtinger R, Knabl L Sr., Knabl L, Würzner R, Weber V. (2023) Expression of Tissue Factor and Platelet/Leukocyte Markers on Extracellular Vesicles Reflect Platelet–Leukocyte Interaction in Severe COVID-19. *Int. J. Mol. Sci.* 2023, 24, 16886

Rady M, Mostageer M, Rohde J, Zaghoul A, Knüchel-Clarke R, Saad S, Attia D, Mahran L, Spahn-Languth H. (2017) Therapy-relevant aberrant expression of MRP3 and BCRP mRNA in TCC-/SCC-bladder cancer tissue of untreated patients. *Oncology reports*, 38: 551-560

Abdel-Haleem A, El-Zeiry M, Mahran L, Abou Aisha K, Rady M, Rohde J, Mostageer M, Spahn-Languth H. (2011) Expression of RFC/SLC19A1 is associated with Tumor Type in Bladder Cancer Patients. *PLoS one* 6 (7): e21820:1-7.

Wozniak-Knopp G, Bartl S, Bauer A, Mostageer M, Woisetschläger M, Antes B, Ettl K, Kainer M, Weberhofer G, Wiederikum S, Himmler G, Mudde G, Rüker F. (2010) Introducing antigen-binding sites

in structural loops of immunoglobulin constant domains: Fc fragments with engineered HER2/neu binding sites and antibody properties. *PEDS* 23 (4): 289-97.

Mostageer M, Spahn-Langguth H. (2010) Gentransfer-Arzneimittel zur Anwendung am Menschen // Gene transfer biopharmaceuticals for use in humans. *European Pharmacopoeia*, pp. 6.8/5.14.00.00.

Buhring HJ, Kuci S, Conze T, Rathke G, Bartolovic K, Grunebach F, Scherl-Mostageer M, Brummendorf TH, Schweifer N, Lammers R.(2004) CDCP1 identifies a broad spectrum of normal and malignant stem/progenitor cell subsets of hematopoietic and nonhematopoietic origin. *Stem Cells* 22(3):334-43.

Conze T, Lammers R, Kuci S, Scherl-Mostageer M, Schweifer N, Kanz L, Buhring HJ.(2003) CDCP1 is a novel marker for hematopoietic stem cells. *Ann. N. Y. Acad. Sci.* 996:222-6.

Scherl-Mostageer M, Sommergruber W, Abseher R, Hauptmann R, Ambros P, Schweifer N. (2001) Identification of a novel gene, CDCP1, overexpressed in human colorectal cancer. *Oncogene* 20(32):4402-8.

Patents

Smrzka O, Mostageer M. Alpha chain of the high-affinity IgE receptor (FcεRIα). Priority patent application international code WO/2017/121842, 2017

Schweifer N, Scherl-Mostageer M, Sommergruber W, Abseher R. Tumour-associated antigen (B345), characterised by an amino acid sequence as in seq. id. no. 4. Priority patent application international code WO 02/04508 A1, 2002.