

Mirlinda Ademi

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EDUCATION

Medical University of Vienna, Austria

Oct. 2012 - present

Expected graduation: MD, June 2018

Bundesrealgymnasium Landwiedstrasse in Linz, Austria

July 2012

Graduation with distinction

HONORS & AWARDS

Stephen W. Kuffler Research Scholarship 2016

July 2016

By the Stephen W. Kuffler Research Foundation Budapest, Hungary

1st Prize Oral Presentation Award

May 2016

Best presentation at the International Students Congress in Graz

MUW Merit Scholarship 2015

Dec. 2015

By the Medical University of Vienna, Austria

Rob Clarke Award 2015

July 2015

Best abstract submission by the Physiological Society, UK

IST Scholarship 2015

Apr. 2015

By the OEAD, Austrian Agency for International Cooperation in Education and Research

Amgen Scholars Travel Award 2015

Jan. 2015

For the *British Conference of Undergraduate Research 2015*

Amgen Foundation Summer Scholarship 2014

Mar. 2014

University of Cambridge, UK

Summer Research Fellowship 2013

Apr. 2013

By Talent Foundation Austria, "Stiftung Talente OÖ"

Summer Research Fellowship 2011

Mar. 2011

By Talent Foundation Austria, "Stiftung Talente OÖ"

Silver Medal, European Union Science Olympiad 2010

Apr. 2010

Gothenburg, Sweden

Bronze Medal, European Union Science Olympiad 2009

Apr. 2009

Murcia, Spain

RESEARCH & WORK EXPERIENCE

CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria

Feb. 2014 - present

Research assistant with Dr. Christoph J. Binder,

Project: Macrophage recruitment during the inflammatory process in atherosclerosis

Hospital of the Sisters of charity, Linz, Austria **Mar. 2016**
Clinical clerkship, Department of ENT

Institute of Science and Technology Austria **Aug. – Sept. 2015**
IST summer internship with Dr. Michael Sixt,
Project: Macrophage responses to lipid peroxidation products

Hospital of the Sisters of charity, Linz, Austria **July 2015**
Clinical clerkship, Department of Cardiology and Hematology

Hospital of the Sisters of charity, Linz, Austria **15th – 26th Sept. 2014**
Clinical clerkship, Depart. of Plastic & Reconstructive Surgery

University of Cambridge, Cambridge, UK **July – 11th Sept. 2014**
Amgen summer internship, PDN Department, with Dr. Ole Paulsen, Project: Structural and functional maturation of stem cell-derived neuronal networks

University of Oxford, Oxford, UK **July – Aug. 2013**
Summer research intern, Ludwig Institute, with Dr. Colin Goding, Project: Examination of the role and regulation of the Brn-2 transcription factor in melanoma

University of Freiburg, Germany **July 2011**
Summer research intern, Emmy-Noether-Group, with Dr. Jan Pruszek, Project: Midkine and its effect on neural differentiation of induced pluripotent stem cells

PUBLICATIONS & PRESENTATIONS

Nikolina Papac-Milicevic, Frida C. Mohlin, David Weismann, Mirlinda Ademi, Clara J Busch, Manuele Rebsamen, Barbara Bartolini Gritti, Maria Gorna, Mate Kiss, Lejla Alic, Anna M. Blom, Christoph J. Binder. Malondialdehyde adducts act as hubs for complement activation on dying cells. Poster, 26th International Complement Workshop, Kanazawa, Japan, September 2016

Ademi M, Gritti B, Sixt M, Binder CJ. Macrophage responses to lipid peroxidation products in atherosclerosis. Oral Talk, International Students Congress, Graz, Austria, May 2016

Ademi M, Gritti B, Sixt M, Binder CJ. Macrophage responses to lipid peroxidation products in atherosclerosis. Oral Talk, British Conference Undergraduate Research, Manchester, UK, March 2016

Chéron M, Ademi M, Kraft F, Löffler-Stastka H. Case-based learning and multiple choice questioning methods favored by students. BMC Medical Education. 2016; 16:41. doi:10.1186/s12909-016-0564-x.

Ademi M, Serradas Duarte S, Shipton AO, Paulsen O. Structural and functional maturation of stem cell-derived neuronal networks. Poster, *Conference for Young Scientists, Kyiv, Ukraine, September 2015*

Ademi M, Serradas Duarte S, Shipton AO, Paulsen O. Structural and functional maturation of stem cell-derived neuronal networks. Poster, *Annual Conference of The Physiological Society, Cardiff, UK, July 2015*

Ademi M, Serradas Duarte S, Shipton AO, Paulsen O. Structural and functional maturation of stem cell-derived neuronal networks. Talk, *International Student Congress, Medical University of Graz, Austria, June 2015*

Ademi M, Serradas Duarte S, Shipton AO, Paulsen O. Structural and functional maturation of stem cell-derived neuronal networks. Poster, *British Conference of Undergraduate Research, Winchester, UK, April 2015*

Ademi M, Serradas Duarte S, Shipton AO, Paulsen O. Structural and functional maturation of stem cell-derived neuronal networks. Poster, *Amgen Scholars Symposium, University of Cambridge, UK, September 2014*

RESEARCH INTEREST

I have had the great opportunity to be part of Dr. Christoph Binder's laboratory at CeMM in Vienna for more than two years now. Our group is interested in better identifying immune mechanisms of atherosclerosis and the recognition of so called oxidation-specific epitopes, molecules that result from disturbed lipoprotein metabolism and an increase of oxidative stress. These epitopes act as pro-inflammatory danger signals recognized by innate immunity. Among these, malondialdehyde (MDA) - adducts are prominent examples. Their pathogenetic role in atherosclerosis has been extensively studied in the Binder group and is further characterized in my project proposal. Speaking of goals career-wise, I am planning to pursue a PhD in life sciences and hope I can establish my own laboratory next to clinical work one day. Therefore, I feel honored and am thankful to receive this research scholarship awarded by the Stephen W. Kuffler Research Foundation in Budapest, Hungary.