

Curriculum Vitae

Name: Amel AbdelTawab Abdo Ahmed

Current position: Lecturer of Histology and Cell biology

Address: Faculty of medicine - Assiut University – Assiut - Egypt

Telephone: +201013002289 / +20882286610

Egyptian Medical Syndicate membership number: 186411

Date of Birth: 18th Feb., 1984

Gender: Female

Nationality: Egyptian

E-mail: amel.abdeltawab@yahoo.com

Awards:

Governmental scholarship to conduct my PhD research in the USA in 2012

Qualifications:

M.D	Assiut University, Assiut, Egypt, Excellent with honors	2006
M.Sc. (Basic medical sciences “Histology”)	Assiut University, Assiut, Egypt with a grade of excellent	2010

PhD in histology and cell biology	Department of molecular biology, UT Southwestern Medical Center, Dallas, TX, USA Department of Histology and Cell biology, Faculty of Medicine, Assiut University, Assiut, Egypt.	2017
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Postgraduate training:

<u>Internship:</u>	Assiut University Hospital, Faculty of Medicine, Assiut University, Assiut, Egypt.	March 2007 – March 2008
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<u>Demonstrator:</u>	Department of Histology and Cell biology, Faculty of Medicine, Assiut University, Assiut, Egypt.	March 2008 – January 2011
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<u>Postdoctoral Research Trainee</u>	Joslin Diabetes Center – Harvard Medical School – Boston, MA	October 2012 – May 2013
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<u>PhD student</u>	Department of Histology and Cell biology, Faculty of Medicine, Assiut University, Assiut, Egypt.	January 2011 –2017
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Department of molecular biology,
UT Southwestern Medical Center,
Dallas, TX, USA

Assistant
lecturer:

Department of Histology and Cell
biology, Faculty of Medicine,
Assiut University, Assiut, Egypt.

January
2011 –2017

Research skills:

Cell culture: Primary Müller cell isolation and culture; lentivirus making.

Animal experiments: Surgeries on live animals; setting up IOP induced retinal ischemia/reperfusion injury model; intravitreal injection.

Sample collection: Retina whole mount isolation; rodent body dissection (heart, kidney, liver, eye).

Techniques: Paraffin embedding and section; cryostat, immunohistochemistry, DNA purification; RNA purification; RT-PCR, western blotting; confocal and electron microscopy.

Biostatistics: Power calculation, t –test, ANOVA, correlation and regression analysis.

Computer skills: SPSS 17, Graph Pad prism software, Adobe Photoshop, Adobe illustrator, Office 2010.

Educational courses attended:

Faculty and Leadership Development Project (FLDP) courses:

- Credit hour system (15 hours course),
- Communication skills (15 hours course),
- Legal and financial aspects in university environment (15 hours course),
- Quality parameters in education (15 hours course).
- Ethics of research (15 hours course)
- Manners of the job (15 hours course)

Workshops attended:

- Basic principles and techniques of PCR.
- Advanced theoretical and practical topics in molecular biology field (PCR types and DNA sequencing).
- Basic techniques in cell culture and stem cell research.

Conferences attended:

- The 27th Faculty of medicine Annual scientific conference Assiut, March, 2009.
- The 28th Faculty of medicine Annual scientific conference Assiut, March, 2010.

- Association for research in vision and Ophthalmology, Annual meeting, Seattle, WA, May 2013.
- The 37th conference of the Egyptian Society of Histology and Cytology, Alexandria, Egypt, December 2013.
- UT Southwestern Medical Center Postdoctoral Research Symposium 2015.
- Association for research in vision and Ophthalmology, Annual meeting, Seattle, WA, May 2016.

Publications:

1. **Amel Ahmed**, Leilei Wang, Safaa Abdelmaksoud, Amal Aboelgheit, Safaa Saeed, and Chun-Li Zhang. Minocycline modulates microglia polarization in ischemia-reperfusion model of retinal degeneration and induces neuroprotection. *Scientific Reports* 2017; 7(1),14065.
2. J Lammer, **A Ahmed**, S Prager, M Cheney, SA Burns, PS Silva, LP Aiello, JK Sun. Changes in Cone Reflectivity and Regularity Assessed by Adaptive Optics Scanning Laser Ophthalmoscopy (AOSLO) Correlate with Presence of Diabetic Retinopathy. *Invest. Ophthalmol. Vis. Sci.* 2013; 54(15):1746.
3. Jan Lammer; Sonja G. Prager; Michael C. Cheney; **Amel Ahmed**; Salma H. Radwan; Stephen A. Burns; Paolo S. Silva; Jennifer K. Sun. Cone Photoreceptor Irregularity on Adaptive Optics Scanning Laser Ophthalmoscopy Correlates With Severity of Diabetic Retinopathy and Macular Edema. *Invest. Ophthalmol. Vis. Sci.* 2016; 57(15):6624-6632.
4. **Amel Ahmed**, Leilei Wang, Safaa Abdelmaksoud, Amal Aboelgheit, Safaa Saeed, and Chun-Li Zhang. Microglia

Plasticity after Retinal Ischemia-Reperfusion Injury. Poster presented at UT Southwestern Medical Center Postdoctoral Research Symposium 2015.

Teaching Experience and Academic Services:

My duties in the department of histology and cell biology include conducting teaching practical sessions and lectures (general and special histology as well as cytology) for the 1st and 2nd year medical students and 1st year pharmaceutical and dental students. I also conduct research projects in collaboration with other staff members of the department in addition to supervising postgraduate students MSc and PhD theses.

I regularly participate in the departmental educational meetings, audit meetings, and regional scientific meetings.

I also actively share in preparing and presenting lectures for the weekly scientific meetings and annual basic science courses in the department.

Public service:

I have been regularly participating in Assiut University Hospital annual one day camps for the under-served urban areas of Assiut.

I also participated in the annual medical care program organized by the department of community medicine, which involves 6 weeks of surveying, screenings, and managing patient through a door to door visit at distant urban locations.

General interests and skills

Sports: Running and ping pong.

Languages: Arabic (native language) and English