

## **CURRICULUM VITAE**

**NAME:** Maha Abdelghaffar Abdelgawwad El Shahawy

**CITIZENHIP** Egyptian, Swedish  
**MARITAL STATUS** Married, three children

**LANGUAGE SKILLS** English: writing and spoken - fluent  
Swedish: spoken - fluent, writing - good  
Arabic: writing and spoken - fluent

**WORK ADDRESS** Faculty of dentistry, Minia University , Egypt  
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## **EDUCATION**

2006 – 2011 PhD degree studies "The Role of Sonic Hedgehog Signaling in Tongue Patterning and Differentiation", Department of Oral Biology, Faculty of Dentistry, Minia University, Egypt (Channel program; Egypt-Sweden).  
Supervisor: Professor Ali Abdel-Halim Abdel-Azim (Egypt) and Associate Professor Amel Gritli-Linde (Sweden).

2001 – 2005 M.Sc. degree studies "Effect of Folic Acid on Tooth Development in Albino Rats", Department of Oral Biology, Faculty of Dentistry, Alexandria University, Egypt.  
Supervisor: Professor Afaf Abd El-Khalek El-Sawa

1998 – 1999 Internship at the Faculty of Dentistry, Alexandria University, Egypt.

1993 – 1998 DDS, Faculty of Dentistry, Alexandria University, Egypt.

## **APPOINTMENTS**

2011- Lecturer at the Department of Oral Biology, Faculty of Dentistry, Minia University, Egypt.

2008 – 2010 Guest researcher at Oral Biochemistry Department, Institute of Odontology, the University of Gothenburg, Sweden.

2005 – 2008 Teaching Assistant at the Department of Oral Biology, Faculty of Dentistry, Minia University, Minia, Egypt.

2000 – 2005 Demonstrator at the Department of Oral Biology, Faculty of Dentistry, Minia University, Egypt.

- 1999 – 2000    General dental practitioner at Hosh Eissa Medical Center, Ministry of health, Behera, Egypt
- 1998 – 1999    House officer dentist for one year, at the Faculty of Dentistry, Alexandria University, Egypt.

### **TEACHING EXPERIENCE**

- 2020 –            Teaching oral histology at the Department of Oral Biology, Faculty of Dentistry, Minia University, Egypt.
- 2010 – 2011    Examination of students at the Department of Oral Biology, Faculty of Dentistry, Minia University, Egypt.
- 2000 – 2008    Teaching dental anatomy and occlusion at the Department of Oral Biology, Faculty of Dentistry, Minia University, Minia, Egypt.
- 2000 – 2008    Teaching oral histology at the Department of Oral Biology, Faculty of Dentistry, Minia University, Egypt.

### **COURSES AND CERTIFICATES**

- 2019            Introductory course about the axioobserver microscope, at the center of cellular imaging, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2013            Applied molecular biology in cancer research course, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2013            Medical statistics, step 1 course, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2013            Introduction to Research course (part I), Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2013            Data analysis in genomics course, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2012            Cell culture course, Core Facility, Mammalian Protein Expression, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2012            Hands-on qPCR course and theory, Genomics Core Facility, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2012            Flow cytometry: from theory to application course, Department of physiology, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2011            Laboratory animal science course, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2007:            TOEFL (Test of English as Foreign Language), Internet Based TOEFL

with 550 degree.

- 2005 P1 - Thinking Skills, Faculty and Leadership Development Project (FLDP), Minia University, Egypt.
- 2005 P4 - Faculty and Leadership Development Project (FLDP), Minia University, Egypt.
- 2001 Basics of Teaching course, Minia University, Egypt.

## HONORS

- 2009 Grant from Adlerbertska Hospitiefonden, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2008 2-year scholarship from the Ministry of Higher Education, Egypt, for doctoral studies at Oral Biochemistry Department, Faculty of Dentistry, Sahlgrenska Academy, University of Gothenburg, Sweden.
- 2008 Abdel Mohsen ElKahtany prize for science promotion, Minia University, Egypt.
- 1999 Prize of Appreciation for graduation with degree of honor, from the Medical Council, Cairo, Egypt.
- 1998 Prize of Appreciation for graduation with degree of honor, from the Faculty of Dentistry, Alexandria University, Egypt.
- 1998 Prize check for the prevalence in dental morphology, from the Faculty of Dentistry, Alexandria University, Egypt.
- 1995 Certificate of Appreciation from the Faculty of Dentistry, Alexandria University, Egypt.

## PUBLICATIONS

Henning P, Movérare-Skrtic S, Westerlund A, Souza PPC, Floriano-Marcelino T, Nilsson K, **El Shahawy M**, Ohlsson C, Lerner UH. WNT16 is robustly increased by Oncostatin M in mouse calvarial osteoblasts and acts as a negative feed-back regulator of osteoclast formation induced by Oncostatin M. Journal of Inflammation Research (Accepted).

Nilsson KH, Henning P, **El Shahawy M**, Nethander M, Andersen TL, Ejersted C, Wu J, Gustafsson KL, Koskela A, Tuukkanen J, Souza PPC, Tuckermann J, Lorentzon M, Ruud LE, Lehtimäki T, Tobias JH, Zhou S, Lerner UH, Richards JB, Movérare-Skrtic S, Ohlsson C. RSPO3 is important for trabecular bone and fracture risk in mice and humans. Nat Commun. 2021 Aug 13;12(1):4923.

Nilsson KH, Henning P, **El Shahawy M**, Wu J, Koskela A, Tuukkanen J, Perret C,

Lerner UH, Ohlsson C, Movérare-Skrtic S. Osteocyte- and late osteoblast-derived NOTUM reduces cortical bone mass in mice *Am J Physiol Endocrinol Metab*. 2021 May 1;320(5):E967-E975.

**El Shahawy M**, Reibring CG, Hallberg K, Neben CL, Marangoni P, Harfe BD, Klein OD, Linde A, Gritli-Linde A. Sonic Hedgehog Signaling Is Required for Cyp26 Expression during Embryonic Development. *Int J Mol Sci*. 2019 May 8;20(9).

Newton PT, Li L, Zhou B, Schweingruber C, Hovorakova M, Xie M, Sun X, Sandhow L, Artemov AV, Ivashkin E, Suter S, Dyachuk V, **El Shahawy M**, Gritli-Linde A, Boudierlique T, Petersen J, Mollbrink A, Lundeborg J, Enikolopov G, Qian H, Fried K, Kasper M, Hedlund E, Adameyko I, Sävendahl L, Chagin AS. A radical switch in clonality reveals a stem cell niche in the epiphyseal growth plate. *Nature* 2019 Mar;567(7747):234-238.

**El Shahawy M**, Reibring CG, Neben CL, Hallberg K, Marangoni P, Harfe BD, Klein OD, Linde A, Gritli-Linde A. Cell fate specification in the lingual epithelium is controlled by antagonistic activities of Sonic hedgehog and retinoic acid. *PLoS Genet* 2017 July 17; 13(7):e1006914.

Reibring CG, **El Shahawy M**, Hallberg K, Kannius-Janson M, Nilsson J, Parkkila S, Sly WS, Waheed A, Linde A, Gritli-Linde A. Expression patterns and subcellular localization of carbonic anhydrases are developmentally regulated during tooth formation. *PLoS One* 2014 May 1;9(5):e96007.

Vaziri Sani F, Kaartinen V, **El Shahawy M**, Linde A, Gritli-Linde A. Developmental changes in cellular and extracellular structural macromolecules in the secondary palate and nasal cavity of the mouse. *Eur J Oral Sci* 2010; **118**: 221-236.

## SCIENTIFIC REVIEWER

For the *European Journal of Oral Sciences*