

Curriculum vitae

Name: Osama Khalefa Sawesi

Date of birth: 21-10-1977

Passport no: PJZ5PGY2

Sex: Male

Nationality: Libyan

Marital status: Married

Family: Wife and five daughters

Address: Al Zahra city, Libya

P.O.Box: 13662, Faculty of Veterinary Medicine, Tripoli University, Tripoli-Libya

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Academic degrees

Bachelor's Degree in Veterinary Medicine, Faculty of Veterinary Medicine, Tripoli University, Libya, July 2001.

Ph.D. degree January 2011, Faculty of Veterinary Medicine, Swedish University of Agriculture (SLU), Uppsala-Sweden.

Thesis title:

The Response of Mast Cells and Serglycin dependent Proteases to Parasitic Infection- Studies on mast cells during *Toxoplasma gondii* (murine) and *Dictyocaulus viviparus* (bovine) infection.

Academic and administrative positions:

- Veterinarian** (private) at the Group Clinic Al-Zawia, Libya (2001-2004).
- Researcher** at the Biotechnology Research Centre BTRC, Tripoli, Libya (2004-end 2005).
- Demonstrator** at the Faculty of Veterinary Medicine, Tripoli University, Tripoli-Libya (2005- 2006).
- PhD student** at the Faculty of Veterinary Medicine, Swedish University of Agriculture (Jan 2006- Jan 2011).
- **Researcher** at the Department of Medical Biochemistry and Microbiology (IMBM), Uppsala University (Feb 2011-Aug 2011).
- **Postdoctoral fellow** at the Department of Medical Biochemistry and Microbiology (IMBM), Uppsala University (Oct 2011-Sept 2012).
- **Lecturer** at the Department of Internal Medicine and Infectious Diseases, Tripoli University since Sept 2012 till now 2022, teaching veterinary medicine.
- **Assistance professor** in same department since 2016.

Scientific meetings and presentation:

- Symposium on Mast Cell in Tissue Remodelling and Inflammation (Helsinki, Sept. 22-23, 2006), participant.
- Mast Cell Network (Stockholm, March 6-7, 2008), oral presentation.

- Mast Cell Network (Åre, March 15-18, 2009), oral presentation.
- Mast Cell Network meeting (Sigtuna, May 27-28, 2010), participant.
- Symposium, Developments in Real-Time PCR – Research and Molecular Diagnostics (31 May-1 June, 2010) Gothenburg, participant.
- MediGly meeting (15-17 September 2010) Gullmarsstrand, Sweden, oral presentation.
- The second Nobel Forum Symposium on Mast Cells in Health and Disease, November 18, 2010, Stockholm, participant.
- Alfares exhibition for equine Dubai UAE, 2014.
- Equine practitioner privately in Libya since 2012 till now.

Publications:

Sawesi O., Spillman D., Lunden A., Wernersson S., Abrink M. (2010). Serglycin-independent Release of Active Mast Cell Proteases in Response to *Toxoplasma Gondii* Infection. *J Biol Chem* 285(49), 38005-13

Wernersson S., Braga T*, **Sawesi O***, Waern I*, Nilsson K.E., Pejler G., Abrink M. (2009). Age-related enlargement of lymphoid tissue and altered leukocytes composition in serglycin-deficient mice. *Journal of Leukocyte Biology* 85(3), 401-408. (* equal contribution)

Ananya Roy., Goutham Ganesh., Helena Sippola., Sara Bolin., **Osama Sawesi.**, Anders Dagälv., Susan M. Schlenner., Thorsten Feyerabend., Hans-Reimer Rodewald., Lena Kjellén., Lars Hellman., Magnus Åbrink. (2014). Mast cell chymase degrades heat shock protein 70, biglycan, HMGB1, and IL-33 and may limit danger-induced inflammation. *J Biol Chem.* 2014 Jan 3; 289(1): 237–250

Ananya Roy, **Osama Sawesi**, Ulrika A. Larsson, Anders Dagälv, Lena Kjellén, Anna Lundén, Magnus Åbrink (2016). Serglycin limits enteropathy in *Trichinella spiralis* Infected- mice. *BMC Immunology* (2016) 17:15

Mohamed H. Abushhiwa, **Osama Sawesi**, Khaled A. Milad, Aiman. A. Shalgum and Abdulrhman M. Alrtib. Successful Anatomical Access for Surgical Removing of the Distal Fracture of Splint Bones in Thoroughbred Horses (Case Study). *Al-Mukhtar Journal of Sciences* 34 (2): 84-90, 2019

Abdusalam S. Mahmoud , **Osama K. Sawesi** , Osama R. El-Waer and Emad M. Bennour.(2021) Rift valley fever in Africa with the emerging interest in Libya. *Int J One Health*, 7(2): 237-245.

Abdulkareem K. Elbaz, **Osama K. Sawesi**, Ali A. Abeed.(2021). Potential antibacterial activity of ethanolic Fig and Olive leaves extract against *Enterococcus Faecalis*. *Mediterr. J Pharm Pharm Sci* 1(4):99-103

Manuscripts

Sawesi O., Lunden A., Feinstein R., Abrink M. Serglycin proteoglycans contribute to mast cell cytokine secretion *in vitro*, and to early neutrophil recruitment and cytokine secretion *in vivo*, in response to *Toxoplasma gondii*.

Sawesi O., Holmgren S., Andersson C., Wattrang E., Erjefält J., Lunden A., Abrink

M. Tryptase-positive mast cells accumulate in bovine lung tissues during *Dictyocaulus viviparus* infection.

Techniques:

I have worked laboratory techniques as western blot, ELISA, RT-qPCR, immunohistochemistry, CBC, differential cell counting and *in vitro* cell culture of bone marrow derived mast cell.

Language

Arabic (mother tongue)

English (fluent)

Interests/ hobbies:

- Extending my knowledge in new research area.
- Sport and reading
- Attending horse racing
- Travel