

TASH Laboratory: Innovation, Collaboration, and Scientific Advancement

Report on the Visit of Professor Dr. Mohamed Abdel-Rahman to the TASH Lab

Date: Wednesday 24/12/2025



Time: 10:00 AM
Host Lab: Translational and
Applied Research Hub (TASH)

• Visitor Profile

Dr. Abdel-Rahman is a research faculty member specializing in pathology, clinical genetics and molecular genetics. His research interests include molecular diagnosis of ocular melanoma, identifying novel targets for therapy of ocular melanoma and study hereditary predisposition to ocular melanoma and other cancers.

Dr. Abdel-Rahman has an adjunct appointment at the division of human genetics. He is working with Medical and Ocular oncology colleagues to develop a clinical trial for management of uveal melanoma patients with high-risk for systemic metastasis. Additionally, he teaches Ophthalmic Pathology for ophthalmology residents.



Agenda

Time
10:00 – 10:15
10:15 – 10:45
10:45 – 10:30
12:00

Key Personnel

Prof.Dr. Hala Sweed

Faculty vice for society and the environment,
Faculty of Medicine, Ain Shams University

Prof.Dr. Marwa Matboli

Professor of Biochemistry, faculty of Medicine, Ain
Shams University
Director of TASH lab

Radwa Khaled

MSc, PhD Student, Coordinator of Molecular Biology

Ahmed Hesham

Research Assistant, Proteomics Laboratory

Prof.Dr. Tarek Yousef

Vice Dean for Postgraduate Studies and Research,
Faculty of Medicine, Ain Shams University

Prof.Dr. Sherif Diao

Professor of physiology, faculty of Medicine, Ain
Shams University
Director of the animal house

Monica Hany

Research Assistant, Molecular biology Lab

Dr. Caroline Atef Tawfik

MD, PhD, FRCS

Peripheral Nerve Injury Workshop – Where Science Meets Surgical Innovation

Date: 8/2/2026



NEUROTRAUMA & PERIPHERAL NERVE RESEARCH GROUP
Neurosurgery Department – Faculty of Medicine – Ain Shams University



Advanced Scientific Workshop

PERIPHERAL NERVE INJURY

Modern Strategies & Translational Research

Integrating Molecular Biology, Artificial Intelligence & Animal Models

8–10 February 2026

Training and Educational Development Center
Ain Shams University Hospitals (El Demerdash) (Hall 401)

Registration: **FREE**

Under the Patronage of

- **Prof. Ali El-Anwar**
Dean, Faculty of Medicine, Ain Shams University
- **Prof. Tarek Mohamed Youssef**
Vice Dean for Graduate Studies & Research
- **Prof. Tarek Youssef Ahmed**
Executive Director, Ain Shams University Hospitals

Scientific Program

DAY 1 SCHEDULE

Sunday, 8 February 2026 (9:00 A.M. – 12:40 P.M.)

- 09:00 – 09:30 Registration
- 09:30 – 09:45 Welcome Address
- 09:45 – 10:00 Honoring Session for Prof. Amgad Hanna
Celebrating Three Academic Visits and a Sustained Collaboration in Nerve Surgery at Ain Shams University
- 10:00 – 11:00 **Session I: Foundations of Translational Peripheral Nerve Research**
 - Modern Strategies in Nerve Injury Leveraging the TASH Wet-Dry Lab Pipeline for Translational Research (20 min.)
Dr. Marwa Matboli Sayed Professor of Medical Biochemistry & Molecular Biology, Ain Shams University
 - From Infrastructure to Innovation: Capabilities of the New Animal House (20 min.)
Dr. Sherif Mohamed Diaaeldin Assistant Professor of Physiology, Ain Shams University
 - Redefining Peripheral Nerve Repair: From Biological Mechanisms of Regeneration to Clinical Translation (20 min.)
Dr. Ayman El Shazly Professor of Neurosurgery, Ain Shams University
- 11:00 – 11:20 Coffee Break
- 11:20 – 12:40 **Session II: Experimental Models and Emerging Therapeutic Strategies**
 - Microparticle-Based Delivery of GDNF and NGF Enhances Axonal Growth and Functional Recovery Following Sciatic Nerve Injury in Rats (20 min.)
 - Comparison of Nylon, Vicryl, and Fibrin Glue for Nerve Grafting: An Experimental Study (20 min.)
Dr. Amgad Hanna Professor of Neurosurgery, University of Wisconsin, USA
 - Stem Cells and PRP in Long-Gap Sciatic Nerve Repair: Experimental Evidence from an Animal Model (20 min.)
Dr. Nagy Abouqueerin Lecturer of Physiology, Ain Shams University
 - Rebuilding the Mind: New Horizons in Neuroprotection and Neural Repair (20 min.)
Dr. Rimon Gorgui Medical Affairs, EVER Pharma Cluster

Organizing Committee

Prof. Ahmed El-Sabaa	Dr. Sherif Baha
Prof. Ahmed Maged	Dr. Khaled Khorkhash
Dr. Mohamed El-Meshad	Dr. Ahmed Hammad
Dr. Mohamed Ashraf	Dr. Abdelrahman Bakry

Workshop Coordinator: Prof. Hazem Antar Mashaly
Workshop Director: Prof. Ayman El Shazly
Head of Department: Prof. Tarek Lotfy Salem

DAY 2 & Day 3 SCHEDULE

Monday & Tuesday, 9–10 February (9:00 A.M. – 5:00 P.M.)

- 📺 **Live Broadcasted Microsurgical Demonstrations**
Peripheral Nerve Repair & Brachial Plexus Surgery
Featuring advanced microsurgical techniques and expert commentary

For Inquiries

+20 1032419694 +20 1065798368

[Register Now](#)



Attendees

01

Prof.Dr. Marwa
Matboli

02

Prof. Dr. Hanan

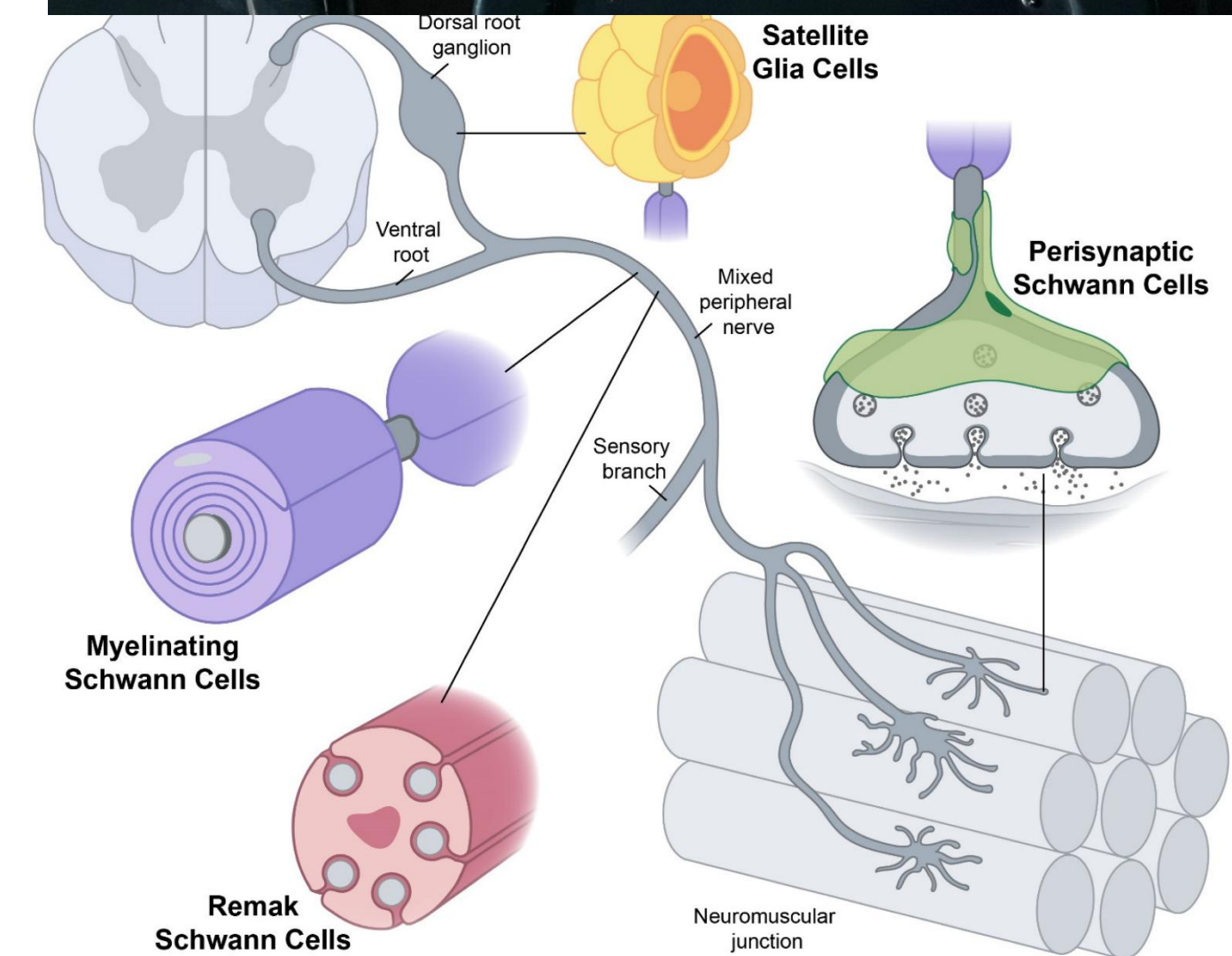
03

TASH Lab
Coordinators

- Radwa Khaled
- Ahmed Hesham
- Asmaa Khamees

Prof. Dr. Marwa Matboli Presentation

•TASH Laboratory actively participated in the Peripheral Nerve Trauma Workshop, presenting its innovative contributions in peripheral nerve injury research and regenerative medicine. The presentation highlighted the development of novel diagnostic and research toolkits designed to enhance precision in nerve trauma assessment and management. The team also showcased the integration of artificial intelligence (AI) in diagnosis, patient stratification, and therapeutic decision-making, enabling more accurate, data-driven, and personalized treatment approaches. Furthermore, advanced strategies focusing on Schwann cell-targeted therapy and stem cell applications were introduced as promising modalities to promote nerve regeneration, functional recovery, and improved clinical outcomes. This participation underscores TASH's commitment to innovation, translational research, and the advancement of precision regenerative therapies.



Thermo Fisher Visit Documentation to TASH Lab

Date: Wednesday 17/2/2025



Siobhan Jenkins
Technical Sales Specialist Middle East at
Thermo Fisher Scientific | Driving growth
through trusted relationships, distributor
excellence, and disciplined execution
Thermo Fisher Scientific University of
JohannesburgDubai, United Arab Emirates



Ketan Durge
Business Development Manager –
Biosciences - Middle East
Thermo Fisher Scientific Balaji
Institute of Modern Management,
PuneDubai, United Arab Emirates

Visit Overview

- Thermo Fisher Scientific representatives (MENA region) visited TASH Lab to explore collaboration and services.

Thermo Fisher Scientific Visit to TASH lab Faculty of Medicine Ain shams University

Thermo Fisher Scientific is the world leader in serving science. If companies like Elabscience or Sunlong Biotech are specialized niche providers, Thermo Fisher is the global "superstore" that provides everything a laboratory could possibly need.

ThermoFisher
S C I E N T I F I C

Attendees

01

Prof.Dr. Hala Sweed (Vice Dean, Faculty of Medicine)

02

Prof.Dr. Marwa Matboli

03

TASH Lab Coordinators
-Radwa Khaled
-Ahmed Hesham
-Asmaa Khamees

04

Thermo Fisher Scientific Representatives (MENA)
-Ketan Durge
-Siobhan Jenkins

Lab Introduction

- Dr. Marwa Matboli delivered an introductory presentation highlighting TASH Lab facilities, capabilities, and research activities.



Report on the Visit of Professor Dr. Prof. Pedro Castelo-Branco to TASH Center



3/3/2026 to 4/3/2026

Professor Pedro Castelo- Branco

A leading scientist in the field of
Cancer Epigenetics

Current Positions:

- Associate Professor, Faculty of Medicine and Biomedical Sciences University of Algarve – Portugal
- Group Leader, Epigenetics in Human Disease Laboratory Director, Doctoral Program in Cancer

Academic Background

- D.Phil in Molecular Biology – University of Oxford
- Postdoctoral training at:
Harvard University
University of Toronto

Research Focus

- Epigenetic regulation in cancer
- DNA methylation biomarkers
- Translational cancer research
- Precision oncology

Agenda

Time	Activity
10:00 – 10:10 AM	Welcome & Introduction
10:10 – 10:25 AM	Presentation 1: Overview of TASH Laboratory (Facilities, Strategic Vision, Translational Research Framework & Multi-Omics Integration Platforms)
10:25 – 10:40 AM	Presentation 2: TASH Research Highlights (Biomarker Discovery, Epigenetic Profiling, AI Integration, Regenerative Medicine & Translational Applications)
10:40 – 11:05 AM	Guided Tour of TASH Facilities & Core Units
11:05 – 11:20 AM	Discussion: Potential Collaboration Opportunities (Epigenetics, Biomarker Discovery, Regenerative Strategies, AI-Driven Stratification & Translational Multi-Omics Research)
11:20 – 11:30 AM	Closing Remarks & Networking

Lab Tour



Summary of the visit

- We were honored to host Prof. Pedro Castelo-Branco at TASH Center, where we presented an overview of our laboratory facilities, research infrastructure, and ongoing scientific projects. Our team introduced the research staff and highlighted our key areas of expertise and recent achievements. During the meeting, we discussed potential avenues for collaboration, including joint research projects, grants, student exchange opportunities, and co-supervision of graduate students. Prof. Castelo-Branco shared valuable insights on possible frameworks for collaboration and explored mechanisms to establish sustainable scientific partnerships between our institutions.

