

# Hashem Almousa, Ph.D.

## Post-doctoral Fellow. Institute Pasteur

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### Education

- **Ph.D. Cell and Molecular Biology.** Department of Biology. Concordia University, Montreal, Quebec, Canada. January 2018 – May 2023. GPA: 4.3/4.3
- **M.Sc. Biological Science.** Faculty of Biological Science. University of Jordan, Amman, Jordan. September 2013 – May 2017. GPA 3.72/4
- **B.Sc. Biotechnology and Genetic Engineering.** Faculty of Science and Arts. Jordan University of Science and Technology, Irbid, Jordan. September 2005 – April 2009.

### Professional Experience

- **Post-doctoral Fellow.** Institute Pasteur. Paris, France. July 2023 – Now.
- **Teacher Assistant.** Faculty of Biological Sciences. Concordia University, Montreal, Canada. January 2018 – 2023.

I taught the following courses as a teacher assistant:

- **Advanced molecular Biology** (Biol 466). Winter and Fall 2021 and Winter 2022
- **Genetic and Cell Biology** (Biol 368). Winter 2020.
- **Fundamental Nutrition** (Biol 203). Fall 2018, Winter 2019 and Summer 2020.
- **Cell biology** (Biol 266) Fall 2019.
- **Introductory Biology** (Biol 201). Winter 2018, Summer 2023.
- **Researcher Assistant.** Faculty of Biological Sciences. Concordia University, Montreal, Canada. January 2018 – 2023.
- **Flight attendant.** Royal Jordanian Airlines, Jordan. May 2010 – December 2018.
- **Researcher Assistant.** The National Center for Diabetes, Endocrinology & Genetics. Amman – Jordan. July 2009- May 2010.

### Publications

- Mansur, A., Joseph, R., Kim, E., Jean-Beltran, P.M., Udeshi, N.D., Pearce, C., Jiang, H., Iwase, R., Milev, M.P., **Almousa, H.A.** and McNamara, E., (2023). Dynamic regulation of inter-organelle communication by ubiquitylation controls skeletal muscle development and disease onset. *elife*, 12, p.e81966.
- Rawlins, L.E\*, **Almousa, H\***, Khan, S\*, Collins, S.C\*, Milev, M.P., Leslie, J., Sacher, M. and Baple, E.L. (2022) Biallelic variants in TRAPPC10 cause a microcephalic TRAPPopathy disorder in humans and mice. *PLoS Genetics* 18, no. 3 (2022): e1010114.  
\* These authors contributed equally to this work.

- Azab, B., Alassaf, A., Abu-Humdan, A., Dardas, Z., Almousa, H., Alsalem, M., ... and Awidi, A. (2019). Genotoxicity of cisplatin and carboplatin in cultured human lymphocytes: a comparative study. *Interdisciplinary Toxicology*, 12(2), 93-97.
- Almousa, H., Lewis, S., Bakhtiari, S., Nordlie, S., Magee, H., Heim, J., Kruer, M and Sacher, M. TRAPPC6B biallelic variants cause a neurodevelopmental disorder and suggest a defect in TRAPP II-specific function (in revision, *Brian journal*).

## Conferences

- **The 2022 Annual Meeting of the American Society of Cell Biology (ASCB) and European Molecular Biology Organization (EMBO).** Washington DC – USA, December 2022.
- **The 25th Chemistry and Biochemistry Graduate Research Conference.** Montreal – Canada November 2022.
- **The 24th Chemistry and Biochemistry Graduate Research Conference.** Montreal – Canada November 2021. First place in the Oral Presentation.
- **Concordia University Health Science Research Symposium.** Montreal – Canada October 2021.
- **The 2021 Annual Meeting of the American Society of Human Genetics.** Held virtually over the dates of October 18-22, 2021.
- **Advances in Cancer Research: from the laboratory to the clinic.** American Association for Cancer Research. Dead Sea-Jordan. March 7 – 10, 2010.

## Awards

- **2022 Concordia Three Minute Thesis Competition. Runner up Award for the Doctoral Presentation.**
- **Academic Excellence Award, Concordia Student Association.** 2021 – 2022.
- **Silver Peak Award of Excellence** 2021 – 2022.
- **Concordia International Tuition Award of Excellence.** Sep 2019 – May 2022.
- **Concordia Merit Scholarship.** Jan 2018 – Dec 2018.
- **The Deanship of Academic Research Scholarship.** University of Jordan, Amman – Jordan. Feb 2016 - May 2017.
- **Ministry of Higher Education and Scientific Research Award.** Jordan University of Science and Technology, Irbid – Jordan. Feb 2006 – Jan 2008.

## Research Projects

- **Exploring the Role of IFT139 in IFT Trafficking and Flagellum Assembly, and Assessing the Effects of IFT139 Variants in Human Patients.** 2023 - Now
- **Therapeutic approach for the treatment of premature termination codon (PTC) in TRAPP genes using translational readthrough-inducing drugs (TRIDs).** 2022 – 2023.
- **Elucidation of the cellular functions of TRAPP II complex through investigating the effect of naturally occurring variants in TRAPPC10 and TRAPPC6 proteins.** 2019 – 2023.
- **BioID based identification of TRAPPC2L/TRAPPC10 interacting partners.** 2018 – 2019.
- **Genotoxicity of cisplatin and carboplatin in cultured human lymphocytes** 2016 – 2017.
- **Investigating the Tempol effect on DNA damage induced by chemotherapeutic drugs etoposide and oxaliplatin on human lymphocytes.** 2016 – 2017.

## Workshops and Training

- **Embracing Your Potential: Graduate Leadership Development Program** Concordia University, Montreal – Canada 2021.
- **Writing a Literature Review** Concordia University, Montreal – Canada 2021.
- **Graduate Seminar in University Teaching.** Concordia University, Montreal - Canada 2018.
- **Graduate Presentation Skills Essentials.** Concordia University, Montreal - Canada 2018.
- **Foundations of Leadership.** Concordia University, Montreal – Canada. 2018.
- **Cell Culture, Genotoxicity Assays (Sister Chromatids Exchange, Chromosomal Aberrations).** Cell therapy center. Amman- Jordan. Feb 2016 – Jun 2016.
- **Molecular Biology and Cytogenetics.** The National Centre for Diabetes, Endocrinology and Genetics. Amman – Jordan. Jul 2009 – Jul 2010.
- **Cabin Crew Training Course.** Jordan Airline Training and Simulation Center. Amman – Jordan. May - June 2010.

## Society Membership

- **Biology graduate student association.** Vice president. Concordia University. Montreal- Canada. Sep 2018 – Oct 2020.
- **Membership Golden key International Honor Society.** 2018 – now.
- **Student Union Member.** (J.U.S.T), Cultural Community President. 2008 – 2009.
- **Public Service Club,** Vice-President (J.U.S.T). 2008 – 2009.
- **Member of AL-Hassan Youth Awards “Golden Level”.** Amman- Jordan 2006 – 2009.
- **Member of the executive community at the Scientific Club,** (J.U.S.T). 2006 – 2007.
- **Scout Member** (J.U.S.T). 2005 – 2009.