

Michael Racanelli MSc.

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EDUCATION

Certification of Data Science
Master of Science – Physiology and Pharmacology
Bachelor of Medical Science (Honours)

University of Toronto/Waterloo
Western University
Western University

WORK EXPERIENCE

Clinical Data Analyst, Contract Full-time – Current Role

April 2023 - Present

Bayer Inc, Mississauga

- Built, deployed, and maintained custom dashboards to visualize patient data, using internal APIs to empower users to design their own plots using Large Language Models
- Manage and transform data using Pyspark within data pipelines, collaborating with a global team to power visual dashboards used for clinical decision-making
- Created interactive documentation/ tutorials for internal oncology data pipeline to create a SQL database used in drug submissions to health authorities that identifies on and off target genetic mutations

Scientific Analyst QA, Permanent Full-time

May 2022 – August 2022

BenchSci, Toronto, Ontario

- Supported and coordinated across multiple teams regular QA initiatives and onboarding with new QA software to assess platform quality and function with each platform and data release
- Provided scientific expertise for coding test cases and bug reporting in collaboration with software QA team

Local Study Associate, Contract Full-time

February 2020 – May 2021

Bayer Inc, Mississauga, Ontario

- Managed Bayer Sponsored and Investigator Sponsored Medical Research studies according to global guidelines and regulations (ICH-GCP), specialized in Oncology and Hematology

Laboratory Research Assistant and Thesis Student

September 2016 – July 2019

Laboratory of Dr. A. Leask, London, Ontario

Teaching Assistant, Physiology/ Pharmacology Lab Course

September 2017 – May 2018

Western University, London, Ontario

Dental School Simulation Clinic Supervisor

December 2016 – March 2018

Schulich School of Medicine and Dentistry, London, Ontario

Collection Clerk, Financial Services – Summer Student

May 2015 - September 2015

Bayer Inc., Mississauga, Ontario

Medical Operations Business Associate – Summer Student

May 2013 – September 2013

GlaxoSmithKline, Mississauga, Ontario

May 2012 – September 2012

PUBLICATIONS

Shi-Wen, X., Racanelli, M., Ali, A., Simon, A., Quesnel, K., Stratton, R. J., & Leask, A. (2021). **Verteporfin inhibits the persistent fibrotic phenotype of lesional scleroderma dermal fibroblasts**. *Journal of cell communication and signaling*, 15(1), 71–80.

<https://doi.org/10.1007/s12079-020-00596-x>

Racanelli M, (2019). **YAP-mediated mechanotransduction promotes fibrotic activity**. *Electronic Thesis and Dissertation Repository*. 6283. <https://ir.lib.uwo.ca/etd/6283>

Hutchenreuther, J., Vincent, K., Norley, C., Racanelli, M., Gruber, S. B., Johnson, T. M., Fullen, D. R., Raskin, L., Perbal, B., Holdsworth, D. W., Postovit, L. M., & Leask, A. (2018). **Activation of cancer-associated fibroblasts is required for tumor neovascularization in a murine model of melanoma**. *Matrix biology : journal of the International Society for Matrix Biology*, 74, 52–61.

<https://doi.org/10.1016/j.matbio.2018.06.003>

LICENSES & CERTIFICATIONS

Data Science Certification <i>University of Waterloo/Toronto</i>	December 2023
Machine Learning, Data Science and Deep Learning with Python <i>Udemy</i>	November 2021
Complete Python Developer in 2021: Zero to Mastery <i>Udemy</i>	September 2021
Study Designs in Epidemiology <i>Coursera</i>	January 2021
AI for Everyone <i>Coursera</i>	November 2019