

FACULTY OF SCIENCE

Department of Chemistry

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Collaborative Industrial Postdoctoral Fellowship Positions in Organic and Dye Chemistry, Department of Chemistry, York University, Toronto ON, Canada

Number of Positions: 2. Anticipated Start Date: As Soon As Possible
Term: 1 year with renewal opportunity for an additional year(s)

If you are a PhD chemist or a PhD candidate close to graduation, and are interested in a leading role within an exciting new laboratory and are curious about how the scientific start-up world works, then this position is for you.

The Caputo Lab in the Department of Chemistry at York University, in collaboration with Inkbox (www.inkbox.com) is looking for up to two postdoctoral research scientists to work on developing the chemistry for applications in semi-permanent tattoo technologies. Compensation will be commensurate with experience, but will be competitive with other industrially funded postdoctoral fellowships.

The work done in the research group is multidisciplinary, at the interface of organic, inorganic and materials chemistry. This specific research project is a multi-year collaboration that seeks to develop new chemistry and products in collaboration with Inkbox. This project will involve the synthesis of new molecules as well as discovering synthetic routes to modify the natural products currently used in their products. Furthermore, this project aims to further elucidate the mechanism of action and develop alternatives which provide a more robust foundation for future colours.

Candidates must be an expert in organic synthesis and having a background in dye chemistry would be an asset. This project will involve close collaboration with Inkbox, and the close proximity of the company to York University will result in the candidate getting an understanding of the challenges that are faced at a rapidly-growing start-up company. Regular meetings with research staff at Inkbox will occur with this project.

If you are currently a Postdoctoral Fellow or will be completing your PhD in the near future please consider applying. The start date is flexible, but ideally will be early Spring 2019. Interested candidates are encouraged to email their CV and contact information for three professional references to Professor Caputo (caputo@yorku.ca) with the subject line "Inkbox Postdoctoral Fellow". Only those selected for consideration will be contacted. Applications will be reviewed as received. Please feel free to contact Professor Caputo if you have any further questions.

About The Lab and Chemistry at York University

Professor Caputo is a Tier II Canada Research Chair who started his professorship at York University in 2017, and is one of 7 new York Chemistry faculty hired within this time. York Chemistry makes a strong commitment to research with major infrastructure upgrades, including recent purchases of top-notch instrumentation: single-crystal and powder X-ray diffractometers, 300 and 400 MHz NMR spectrometers, an optical spectroscopy analysis suite (including UV-VIS and Fluorescence spectrophotometers) and expanded mass spectrometry capabilities.

