

Posting period: July 30 – August 13, 2020

Position title: Research Associate in Computer-Aided Drug Design

Brief description of duties: Perform research on the design of protein-inhibitor drug molecules against the CoV-SARS-2 virus using integrated *de novo* drug design and artificial intelligence, pharmacophore modeling, density-functional theory and molecular dynamics simulations, biological networks analysis to elucidate pathological mechanisms. Contribute intellectually to the project, assist in student supervision, participate actively and take a leading role in research dissemination in the form of conference presentations and publications in peer-reviewed journals.

Qualifications: PhD degree in Chemistry, Biology, Biotechnology or Biomedical Engineering with minimum 5-year research experience in computer modeling, bioinformatics and large-scale biosimulations. Excellent writing and communication skills. Ability to work well with others and independently. Proven time management skills and strong attention to detail.

Principal Investigator and Immediate Supervisor: Gilles H. Peslherbe

Salary information and classification: Research Associate (\$26.16 hourly rate)

Planned start and end date of appointment: August 17, 2020 – February 17, 2021 (6 months).

Application instructions: Send an up-to-date CV with a cover letter highlighting the fit of the candidate profile with the advertised position to gilles.peslherbe@concordia.ca.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents of Canada will be given priority. Concordia University is committed to Employment Equity and encourages applications from women, Aboriginal Peoples, visible minorities, ethnic minorities, and persons with disabilities.

For information purpose only:

Normal hours work schedule

Approximate number of weekly hours of work: 35