

Postdoctoral position to study immunity against hepatitis C virus

A postdoctoral position is available in the laboratory of Dr. Naglaa Shoukry at Centre de Recherche du CHUM, Montreal, Canada to work on a CIHR-funded project to study transcriptomics of the immune response against hepatitis C virus. The goal of this project is to define signatures of the protective immune response against hepatitis C virus in a set of unique and rare samples from humans during primary infection and reinfection using single cell approaches. The successful candidate is expected to lead the development of this new research area.

For more information on Dr. Shoukry's research please refer to:

<https://www.chumontreal.qc.ca/en/crchum/researchers/naglaa-shoukry>

Requirements:

- Ph.D. in Immunology, Virology or a related field
- Experience in tissue culture and multicolor flowcytometry.
- Experience in bioinformatics and transcriptomics and coding in R are major assets

Interested applicants should forward their curriculum vitae, a cover letter explaining their interest in this post and the names and contact information for two references to Dr. Naglaa Shoukry: naglaa.shoukry@umontreal.ca

Only candidates selected for an interview will be contacted.

Relevant Publications:

Shoukry NH. Hepatitis C Vaccines, Antibodies, and T Cells. *Front Immunol.* 2018 Jun 28;9:1480. doi: 10.3389/fimmu.2018.01480. eCollection 2018.

Rosenberg BR, Depla M, Freije CA, Gaucher D, Mazouz S, Boisvert M, Bédard N, Bruneau J, Rice CM, Shoukry NH. Longitudinal transcriptomic characterization of the immune response to acute hepatitis C virus infection in patients with spontaneous viral clearance. *PLoS Pathog.* 2018 Sep 17;14(9):e1007290.

Boisvert M, Zhang W, Elrod EJ, Bernard NF, Villeneuve JP, Bruneau J, Marcotrigiano J, Shoukry NH, Grakoui A. Novel E2 Glycoprotein Tetramer Detects Hepatitis C Virus-Specific Memory B Cells. *J Immunol.* 2016 Dec 15;197(12):4848-4858.

Abdel-Hakeem MS, Bédard N, Murphy D, Bruneau J, Shoukry NH. Signatures of protective memory immune responses during hepatitis C virus reinfection. *Gastroenterology.* 2014 Oct;147(4):870-881.e8.