



## RESEARCH SCHOLAR PROGRAM – 2018

### SUPERVISOR & PROJECT INFORMATION FORM

Please complete and return, via email only ([crems.programs@utoronto.ca](mailto:crems.programs@utoronto.ca)) by **November 3<sup>rd</sup> 2017** (forms received after this date will not be posted).

#### Supervisor Information

Name: **Vinod Chandran**

Email: [vinod.chandran@uhnresearch.ca](mailto:vinod.chandran@uhnresearch.ca)

Degree: MD, PhD

SGS Appointment (IMS, IHPME, LMP etc.):

Institute of Medical Sciences &

Laboratory Medicine & Pathobiology

Academic Rank: Associate Professor

Field of Research: Medicine / Rheumatology / Genetic

Epidemiology

Research Institution Affiliation (if applicable):

Krembil Research Institute

Allocation of student contact time (number of hours per week YOU are available to the student for any concerns or to review progress):

I will formally meet with the student weekly, 1-2 hours each week and will be available through e-mail on an ongoing basis.

## Project Information

Title: **Prognosis and Biomarker Studies in Psoriasis and Psoriatic Arthritis**

Description (max 500 words):

### Position 1

The student will participate in one of a number of ongoing and proposed clinical studies related to the prognosis of psoriatic arthritis. These studies include assessment of outcomes in these patients and the factors related to these outcomes. The student will collect clinical data, administer instruments of health status, collate information and participate in the analysis of the data. The student will be exposed to clinical research methodology as well as learn the clinical features, assessment and management of patients with rheumatic diseases.

### Position 2

The student will participate in one of a number of ongoing and proposed investigations of the role of biomarkers in susceptibility to and expression of psoriatic arthritis. The student will be learning molecular techniques such as genotyping, proteomic analyses and will be exposed to research methodology as well as learn the clinical features of patients with rheumatic diseases.

If human subjects are involved, have Ethics been obtained?

YES       NO       Application Submitted       N/A

The Psoriatic Disease Program has a master ethics approval, but sub-project approval may also be required.

Do you expect this work will be published within the 20 months?

YES       NO       Uncertain

Student's roles and responsibilities (please be specific)

*Please indicate who will serve as the student's direct report (PI, PhD student, technician etc...)*

The student will work under the direct supervision of the principal investigator Dr. Chandran and his program Research Associate, Katerina Oikonomopoulou. The student will be involved in all aspects of the research. He/she will be

expected to carry out a background literature search; assist with study protocol development and preparation of ethics amendment if required.

For clinical-based studies the student will collect clinical data, obtain consent (if required) administer questionnaires, collate information and participate in the analysis of data. He/she will be expected to write and submit abstracts for presentation of their research at scientific meetings and prepare a manuscript.

For laboratory based projects the student will work closely with the post-doctoral students and lab technicians in the molecular lab of the Psoriatic Arthritis Program. The student will carry out molecular tests, collate data and assist in data analysis and will be expected to write and submit abstracts for presentation of their research findings at scientific meeting and prepare manuscript. Laboratory experience is required. Some knowledge of immunology, molecular biology is required.