

Jessica Campbell's Publication List

I. Contributions to Research and Development

a. Articles Submitted to Refereed Journals

Campbell, J.L. et al.. (submitted September 24, 2015; manuscript number **ApJ100542**) “*Contraction Signatures Toward Dense Cores in the Perseus Molecular Cloud*”. ApJ. 1-18 (summer research/ CITA course, paper written in my spare time).

b. Non-Refereed Contributions

Posters

Campbell, J.L.*, Friesen RF, Martin PG, Caselli P, Kauffmann J, Pineda JE. *Infall Signatures of Dense Cores in the Perseus Molecular Cloud* (summer research/ CITA course, paper written in my spare time).

c. National Conferences

Campbell, J.L.*, Friesen RF, Martin PG, Caselli P, Kauffmann J, Pineda JE. *Contraction Signatures Toward Dense Cores in the Perseus Molecular Cloud*. Poster presented at the 3rd annual Canadian Conference for Undergraduate Women in Physics; 2016 Jan 8 – 10; Dalhousie, NS (summer research/ CITA course, paper written in my spare time).

d. Technical Reports

Campbell, J.L. et al. (August 2015) “*Constructing a Python Pipeline for Analyzing Spatially Resolved ALMA Observations of IRAS 16293-2422*”. 1-15 (summer research).

Campbell, J.L., Martin, P. G. (April 2015) “*Using High-Resolution JCMT Imaging to Complement Herschel Observations in Regions of Massive Star Formation*”. 1-15 (undergraduate thesis).

Campbell, J.L. et al. (April 2014) “*Contraction and Evolutionary Tracers of Dense Cores in the Perseus Molecular Cloud*”. 1-26 (undergraduate work).

e. Research Assistantships

Leiden/ESA Astrophysics Program for summer Students June — Aug. 2015
Summer project: “*Astrochemical Conditions of the Low-Mass Protostar IRAS 16293-2422 using the Atacama Large Millimeter/submillimeter Array (ALMA)*”. Supervised by M. Kama, M. Persson.

AST425Y: Research Topic in Astronomy & Astrophysics Sept. 2014 — April 2015
Undergraduate thesis: “*Using High-Resolution JCMT Imaging to Complement Herschel Observations in Regions of Massive Star Formation*”. Supervised by P. G. Martin.

Summer Undergraduate Research Program May — Aug. 2014
Summer project: “*Connecting Local Galaxies to Damped Lyman Alpha (DLA) Systems via 21-cm*”. Supervised by B. Cherinka.

CTA395Y: Research Topic Sept. 2013 — April 2014
Undergraduate work: “*Molecular Line Tracers of Kinematics in Star-Forming Regions*”. Supervised by R. K. Friesen, P. G. Martin.

Summer Undergraduate Research Program May — Aug. 2013
Summer project: “*A Search for Collapsing Dense Cores in the Perseus Molecular Cloud*”. Supervised by R. K. Friesen.

II. Contributions to Teaching

a. Teaching Assistantships

AST201: The Sun and its Neighbours (University of Toronto, DAA)	Jan. – April 2016
PMU199: Life on Other Worlds (University of Toronto, DAA)	Jan. – April 2016
AST201: The Sun and its Neighbours (University of Toronto, DAA)	Jan. – April 2015