

# Maia Kaplan

Contact: Maia.Kaplan@mail.mcgill.ca

## EDUCATION

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**Master of Science in Biology - Bioinformatics Option** September 2015 - Present  
McGill University. Supervised by Drs. Thomas Bureau and Mathieu Blanchette  
Focus: Impact of transposable elements on plant genome evolution

**Bachelors of Science in Biology**

University of British Columbia September 2010 - May 2015  
Two semesters of studying abroad in Lausanne, Switzerland

## PUBLICATIONS

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**Stewart Turvey lab at the Child and Family Research Institute**

Ali, Salman, Aaron F. Hirschfeld, Matthew L. Mayer, Edgardo S. Fortuno, Nathan Corbett, **Maia Kaplan**, Shirley Wang et al. "Functional genetic variation in NFKBIA and susceptibility to childhood asthma, bronchiolitis, and bronchopulmonary dysplasia." The Journal of Immunology 190, no. 8 (2013): 3949-3958.

**Patrick Keeling lab at the Department of Botany, University of British Columbia**

Burki, Fabien, **Maia Kaplan**, Denis V. Tikhonenkov, Vasily Zlatogursky, Bui Quang Minh, Liudmila V. Radaykina, Alexey Smirnov, Alexander P. Mylnikov, and Patrick J. Keeling. "Untangling the early diversification of eukaryotes: a phylogenomic study of the evolutionary origins of Centrohelida, Haptophyta and Cryptista." In Proc. R. Soc. B, vol. 283, no. 1823, p. 20152802. The Royal Society, 2016.

## AWARDS AND PROJECTS

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**Summer Studentship from B.C Clinical Genomics Network** May 2011 - August 2011

- Constructing reporter plasmids for NFKBIA promoter to compare variants in promoter

**NSERC Undergraduate Student Research Award**

May 2012 - August 2012

- Updating curriculum for undergraduate math course with Dr. Fok-Shuen Leung

**Directed Studied Project as Undergraduate Student**

August 2013 - December 2013

- Simulating evolutionary processes, with Drs. Jeremy Draghi and Michael Whitlock

## COMPUTER SKILLS

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**Programming languages:** Python, Perl, Bash, C

**Operating systems:** MS Windows, Unix, MacOS

**Bioinformatics applications:** BLAST, BedTools, Bcftools, Biopython, BWA, Bowtie, Trinity Assembler, FASTQC, GATK, Picard, Samtools, HMMER, RepeatMasker, liftover, IGV

## WORK EXPERIENCE

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**McGill University**

September 2015 - Present

- Teaching Assistant for: BIOL309 - Mathematical Models in Biology, BIOL112 - Cell and Molecular Biology Lab, BIOL202 - Basic Genetics

**Vancouver Student Homes**

August 2013 - April 2015

- House manager for international students and young professionals

**University of British Columbia**

September 2010 - June 2012

- Assisting in ongoing experiments at the Stuart Turvey lab

**City of Richmond and Richmond Rapids Swim Team**

April 2008 - July 2012

- Swim coach and instructor, life guarding on deck

## COMMUNITY INVOLVEMENT

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**Mens Welcome Hall Mission Volunteer**

April 2015 - Present

**Telus World of Science: Body Work core Volunteer**

May 2014 - August 2015

**Evaluation committee for UBC Killam teaching award**

November 2011 - March 2012

**UBC Science One Program Student Representative**

September 2010 - April 2011

**Richmond Public Library and Community Centre Leader**

April 2007 - June 2009