

# Maia Kaplan

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438-882-1353

<b>Education</b>	<i>Master of Science in Biology</i> , Bioinformatics Option      September 2015 – October 2017 McGill University, supervised by Thomas Bureau and Mathieu Blanchette Focus: The impact of transposable elements on plant genomes. Status: Thesis under final evaluation, to be placed under digital embargo
	<i>Bachelors of Science Biology</i> September 2010 – May 2015 University of British Columbia One year abroad at l'Université de Lausanne, Switzerland
<b>Publications</b>	Stewart Turvey Lab at Child and Family Research Institute: Ali, Salman <i>et al.</i> <i>Functional genetic variation in NFKBIA and susceptibility to childhood asthma, bronchiolitis, and bronchopulmonary dysplasia</i> . The Journal of Immunology 190, no. 8 (2013): 3949-3958. DOI: 10.4049/jimmunol.1201015
	Patrick Keeling Lab at University of British Columbia: Burki, Fabien <i>et al.</i> <i>Untangling the early diversification of eukaryotes: a phylogenomic study of the evolutionary origins of Centrohelida, Haptophyta and Cryptista</i> . In Proc. R. Soc. B, vol. 283, no. 1823, p. 20152802. The Royal Society, 2016. DOI: 10.1098/rspb.2015.2802
<b>Computer Skills</b>	<i>Programming Languages</i> : Python, Perl, Bash <i>Operating Systems</i> : Linux, MacOS, Microsoft Windows <i>Bioinformatic Tools</i> : BLAST, BedTools, Bcftools, Biopython, BWA, Bowtie, Trinity Assembler, GATK, Picard, Samtools, HMMER, RepeatMasker, LiftOver, IGV
<b>Awards and Projects</b>	<b>Topics of Research Collaborations During Graduate studies</b> 3D genome architecture (Hi-C), genetic variant identification, phylogenetic networks
	<b>Summer Studentship with BC Clinical Genomics Network</b> Cloning plasmids to test SNP variants in the NFKBIA promoter
	<b>NSERC Summer Student Award</b> Update of math course curriculum with Dr. Fok-Shuen Leung
	<b>Short Project in Evolutionary Processes</b> Simulations in population genetics with Drs Jeremy Draghi and Michael Whitlock
<b>Work Experience</b>	<b>McGill University</b> September 2015 – April 2017 Teaching Assistant: BIOL309 - Mathematical Models in Biology, BIOL112 – Cell and Molecular Biology Lab, BIOL202 – Basic Genetics
	<b>Vancouver Student Homes</b> August 2013 – April 2015 Managing rooms for young working professions and students
	<b>University of British Columbia:</b> September 2010 – June 2012 Research Assistant in immunology lab of Stewart Turvey
<b>Personal Activities</b>	Volunteer at Centre Mission Bon Accueil      April 2015 – March 2017
	Volunteer at Telus World of Science: Body Works      May 2014 – August 2015
	Student representative for the UBC Science One Program      September 2010 – April 2011
	Sports – Biking, climbing, shoeshowing, swimming, skiing, and running