

Guillaume Thouroude
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Born on November 26, 1983
French
Single
gthouroude@hotmail.com



To work or do a professional training in animal welfare, preservation of the environment or winemaking in Australia or New Zealand

Education

Master's degree in Biology (overall average grade: 5/6) University of Geneva, Switzerland Total: 318 ECTS	2009-2011
Master of Science in Molecular and Cellular Biology, 1st year Bachelor's degree in Biology with minor in Chemistry Joseph Fourier University, Grenoble 1, France	2004-2008
Medical Laboratory Technician School of Geneva, 1st and 2nd years	2002-2004
International Baccalaureate , International School of Geneva (LGB)	2002

Professional experience

	Basic course "Global Diagnostics II" (Vitatec) given by Mr André Sauthier, Uzès, France	19-23/06/2020
	Humanitarian mission, construction of greenhouses and introduction of new vegetable varieties, Kharikhola, Nepal	10/2017
	Humanitarian mission, introduction of new cereal varieties, Kharikhola	04/2014
Pedagogy	Teaching private lessons in biology for college students	Since 2011
Reflection Organization Autonomy	Master's thesis: "Action potentials in <i>Arabidopsis thaliana</i> (L.) Heynh. generated by mechanical stimulation" – Laboratory of Plant Physiology, University of Geneva – for more details: www.arabidopsme.com	2009-2011
Communication	Co-author of the poster: "Deciphering the ion channels underlying electrical signaling in plants" – The 22nd ion channel meeting, Presqu'île de Giens, France	09/2011
	Master 1 internship: "Propagation between leaves of action potentials in <i>Arabidopsis thaliana</i> (L.) Heynh. after a mechanical stimulation" – Laboratory of Plant Physiology, University of Geneva	03-05/2008
	Volunteer secretary of "Kharikhola School Project", NGO developing educational projects in a Nepalese village – communication with public and private donors; newsletter development and management	Since 2007

Languages

French: native language
English: proficiency level, C2 of the Common European Framework of Reference (CEFR) for Languages

Spanish: elementary level, A2 of the CEFR for Languages

Computer skills

MS Office (Word, Excel, PowerPoint), HTML, LinkedIn, SigmaStat

Hobbies and interests

Health, environment, Reiki, travels

Practical and technical skills

Plant biology (+++): action potentials generated by mechanical and “wound and drop” (wounding with deposition of 5 μ L of 1 M potassium chloride onto adult leaves) stimulations; atomic force microscopy; botany; chlorophyll fluorescence (FluorCam 690M); chloroplast isolation (Hill reaction and cyclic photophosphorylation); cytochemistry of polysaccharides (PATAg test); daily carbon balance (VegeSTAR software); light and hormonal control of plant growth and development; stable and transient transformation

Molecular biology (+): bacterial transformation; chromatin isolation; chromatography; DNA isolation, amplification (PCR) and sequencing; electrophoresis; fluorescence microscopy; genetic mapping; immunofluorescence; immunolabeling with colloidal gold; northern blot; nuclear and total protein extraction; plasmid extraction; transfection; western blot

Cellular biology (+): bacterial, yeast and mammalian cell culture; extraction, separation and determination of nucleic acids, proteins, carbohydrates and lipids; oxygraphic measurement of catalase activity in fibroblasts

Biochemistry (+): ELISA; enzyme (overexpression, purification and kinetics); protein purification by ammonium sulfate precipitation; purification of polyhistidine-tagged recombinant proteins on a nickel column

Medicine (++): clinical chemistry; hematology; histology; immunohematology; medical microbiology; neurology; parasitology

(+): basic knowledge

(++): good proficiency

(+++): excellent proficiency