

Curriculum Vitae Léonie Asboth

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Date of birth: 21/12/1989

Nationality: Austrian

EDUCATION

- 2010 -present **Master in Bioengineering** (expected for 07/2012, Grade-Ma1/Ma2: 5.39/6)
Minor in Biomedical Technologies
Minor project: "Comparison of 7D MRI flow measurements and 3D computational fluid dynamics simulation of cerebrospinal fluid movement in the spinal subarachnoid space"
Laboratory of Hemodynamics and Cardiovascular Technologies
Swiss Federal Institute of Technology, Lausanne, Switzerland
- 2007- 2010 **Bachelor in Life Sciences and Technology** (Grade: 4.75/6)
Bachelor project: "The role of Mitochondria during sleep"
Laboratory of Neuroenergetics and Cellular Dynamics
Swiss Federal Institute of Technology, Lausanne, Switzerland
- 2003 - 2007 **French Baccalaureate**, Scientific option –Passed with high honors (2007)
German Abitur - *Allgemeine Hochschulreife, Abibac* – simultaneous acquisition of the French and German secondary school certificate (2007)
Lycée Français de Düsseldorf, Germany
- 1998-2003 Lycée Français Jean Monnet - Brussels, Belgium
1994-1998 Lycée Français de Jakarta - Indonesia
1992-1994 Lycée Français de Kuala Lumpur – Malaysia

EXPERIENCES

- January–July 2011 **Teacher Assistant**, Course of Analysis for Life Sciences students, EPFL
- 2009-July 2011 **Student's representative**, Section of Bioengineering Ma-1
Student's representative, Section of Life Sciences and Technology Ba-3
Responsibilities: Represented the students and communicated their interest and concerns to the teaching professors.
- 2009-2010 **Member of the committee organizing the bachelor trip to Japan (64 students)**
Responsibilities: **Treasurer and Fundraiser**
- Management of the budget and planning of fund raising activities (Budget- 150'000 CHF)
- Planning of the program for the trip and coordination of student activities during the trip
- Preparation of the final report submitted to the school of life science and sponsors
- July 2009 **Language School** (2 weeks, Intensive program, IELTS courses)
Regent School, Edinburgh, UK
- July 2007 **Language School** (2 weeks, Intensive program)
Regent School, Cambridge, UK

LANGUAGES AND SKILLS

- Languages French: Native
German: Native
English: Fluent, C1 (Common European language Framework)
- IT skills Matlab, C++, html, Java
Excel, Word, PowerPoint for Windows and Mac environments
ITK Snap, Meshlab, ANSYS CFD
- Engineering skills Mathematics, Physics, Electrical systems, Fluid mechanics, Signal processing, Image processing, Biomicroscopy, BioMEMS, tissue engineering, Biomaterials
- Life Sciences skills Neurosciences, Molecular Biology, Immunology, Physiology, Microbiology

PERSONAL INTERESTS

- Interests Piano, Transverse Flute, Ski, Tennis, Arts