

DORINA FRASHERI, MS, MHS, BS

+41 76 525 44 07

contact@privatetutoring.ch ♦ [Website](#) ♦ [LinkedIn](#)

EDUCATION

Cornell University

Master of Science in Biochemistry, Molecular and Cell Biology

Aug. 2010 - Aug. 2012

Ithaca, New York, USA

- Thesis: "Evolution of a Gene Family Encoding both Male- and Female-Specific Reproductive Proteins in *Drosophila*"
- GPA: 3.95/4.00

The Johns Hopkins University

Master of Health Science in Reproductive and Cancer Biology

Aug. 2007 - May 2008

Baltimore, Maryland, USA

- Thesis: "Targeting Osmotic Balance as an Approach to Antifungal Drug Development" (Grade: A)
- GPA: 3.80/4.00

St. John's University

Bachelor of Science in Chemistry with minor in Philosophy

Sep. 2002 - May 2006

Queens, New York, USA

- Honors Summa cum Laude/Dean's List
- GPA: 3.88/4.00

WORK EXPERIENCE

Dorina Frasheri Tutoring Services

Maths and Science Teacher

Sep. 2017 - Present

Zürich, Switzerland

- **Teaching** the IB Diploma (Standard and Higher Levels), AP Diploma, AS and A Levels, and IGCSEs.
- **Subjects:** Biology, Chemistry, Mathematics, Environmental Systems and Societies, ACT and SAT.
- **Duties:** holding one-to-one and/or group study sessions, running crash courses prior to mocks and finals, developing lesson materials relevant to the coursework and to students' needs and their skill sets, working on sample tests, reviewing and providing feedback to class material, and more.

International Baccalaureate Organization

Examiner DP Biology

Aug. 2019 - Present

Remote

- **Grading** IB Biology Standard and Higher Levels Paper 1B and Paper 2 exams according to the guidelines set out by the IBO.
- **On average** grading 250 exams each year from students around the world.

TASIS-The American School In Switzerland

STEAM Teacher

Jun. 2024 - Present

Montagnola, Switzerland

- **Teaching** STEAM to high school students during their summer camp at TASIS.
- **Subjects:** Science, Technology, Engineering, Art, and Mathematics.
- **Duties:** holding intensive 5-hour long lessons each day, guiding students through trips around Switzerland and abroad, supervising sport activities, attending daily morning assembly, attending faculty and staff meetings, helping students on arrival and leave, etc.

Foundations for Learning

Science Specialist

Feb. 2017 - Sep. 2019

Zürich, Switzerland

- **Taught** the IB Diploma (Standard and Higher Levels), AS and A Levels, and IGCSEs.
- **Subjects:** Biology, Chemistry, and Mathematics.
- **Duties:** held one-to-one and/or group study sessions, ran crash courses prior to mocks and finals, developed lesson materials relevant to the coursework and to students needs and their skill sets, worked on sample tests, reviewed and provided feedback to class material, and more.

International School of Central Switzerland

DP Biology and MYP Science Teacher

Mar. 2017 - Feb. 2018

Cham, Switzerland

- **Taught** Biology and General Science to students of grades 8 to 12.
- **Duties:** assembled and communicated the science material through well thought-out lectures, kept updated units on ManageBac, engaged students in class participations (including poster, Padlet, and PowerPoint presentations), assigned and graded homeworks, designed group projects, held one-to-one and/or group study sessions, performed experiments as required by the International Baccalaureate Organization, prepared material for quizzes and exams, participated in the school's staff and professional development meetings, participated in parent-teacher meetings, etc.

The Learning Center

Tutor

Aug. 2013 - Oct. 2017

Zürich, Switzerland

- **Taught** the IB Diploma (Standard and Higher Levels), AP Diploma, AS and A Levels, and IGCSEs.
- **Subjects:** Biology, Chemistry, and Mathematics.
- **Duties:** held one-to-one study sessions, developed lesson materials relevant to the coursework and to students needs and their skill sets, worked on sample tests, reviewed and provided feedback to class material, and more.

Albanian College Tirana and Durrës

Science Lab Technician; Summer School Science Teacher

Apr. 2016 - Dec. 2016

Tirana and Durrës, Albania

- **Science Lab Technician** in charge of the science departments (Biology, Chemistry, Physics) in both sister IB schools.
- **Duties:** planned experiments alongside teachers, maintained laboratory equipments, updated inventories, found local and international distributors, enforced safety procedures and guidelines, properly handled and stored chemicals, and more. Outside the lab: attended departmental, whole staff, and PTA meetings, substituted for absent teachers, school activities and holiday events, etc.
- **Summer School Science Teacher** in charge of preparing creative STEM and English summer courses, organizing field trips, assigning/grading classwork and homeworks, designing group projects using online resources such as EdExcel and Cambridge prep, helping students create poster presentations, encouraging class participation, and more.
- **Subjects:** Biology, Mathematics, English.

Oxford International College Switzerland

Science Teacher

Jan. 2015 - Jun. 2015

Château d'Oex, Switzerland

- **Boarding Teacher** in charge of preparing OIC Switzerland's middle school and high school students for the Foundation Year, IGCSEs, AS and A Levels, and college entrance tests (ACT and SAT).
- **Subjects:** Biology, Mathematics, and Physics.
- **Duties:** prepared and taught the science material using various resources (EdExcel and Cambridge prep), engaged students in class participation, assigned and graded homeworks, held one-to-one and/or group study sessions, worked on sample tests, held mock exams, etc. Outside the classroom: supervised students on a daily basis, attended extra-curricular activities, participated in school meetings, held advisory sessions on students' behavior and academic progress, and more.

Cornell University

Teaching Assistant

Jul. 2011 - Jun. 2012

Ithaca, New York, USA

- **Assisted** the following courses: Cell & Developmental Biology BIOMG 1350 (Summer 2011), Developmental Biology BIOMG 3850 (Fall 2011), and Laboratory in Biochemistry and Molecular Biology BIOMG 4400 (Spring 2012).
- **Duties:** attended course lectures, lectured classes, assisted tenured professors in writing test materials, proctored and graded exams, held office hours and exam review sessions, prepared and instructed lab and literature assignments, etc.

National Cancer Institute

Biologist

Apr. 2009 - Aug. 2010

Bethesda, Maryland, USA

- Used mouse models to improve tumor therapies in patients with advanced metastatic disease, with emphasis on the adoptive transfer of anti-tumor T cells in mice. Performed basic molecular biology methods, as well as transfecting and transducing murine T-cells with virus encoding T-cell receptor genes. Focused on creating knockout mice and evaluating the phenotypic, proliferative and functional capabilities of T-cell receptor genes.

ICON Central Laboratories

Research Associate

Aug. 2008 - Mar. 2009

Farmingdale, New York, USA

- Worked with the Research and Development Department on circulating tumor cells (CTCs) using the novel technology CellSearch System, in which CTCs are immunomagnetically isolated, captured, detected, stained and enumerated. Used this technique to monitor patients during therapy and to determine the success of therapy and progression-free survival.

St. John's University

Tutor

Sep. 2002 - May 2006

Queens, New York, USA

- **Taught** college students and prepared them for their Bachelor in Science Diploma.
- **Subjects:** General Chemistry I and II, Organic Chemistry I and II, Physical Chemistry I and II, Experimental Physical Chemistry, Analytical Chemistry, Fundamentals of Biology I and II, Calculus with Biological Applications, Calculus II, University Physics I and II, and Biochemistry.
- **Duties:** helped students with homework, prepared them for quizzes and exams, held office hours, held one-to-one and/or group review sessions, etc.

Bristol - Myers Squibb Co.

Intern

Jun. 2004 - Aug. 2004

Hillside, New Jersey, USA

- Worked with the Analytical Department for research on Excedrin, Excedrin Extra-Strength and Excedrin Headache using different experimental techniques such as HPLC and IR. Performed titrations, analyzed and quantified data on APAP and Ibuprofen, participated in planning experiments as well as in evaluating test results, recorded, calculated and analyzed data, and prepared reports.

Jun. 2003 - Aug. 2003

Hillside, New Jersey, USA

- Worked with the Research and Development Department on Binary Studies and Eutectics. Researched solid solutions of drug mixtures and determined their eutectic temperature and composition. Dispersed drugs at the molecular level and compared the theoretical and actual eutectic phase diagrams for various drug combinations.

HONORS AND AWARDS

- Cornell University Teaching Assistantship (Sep. 2011 - May 2012)
- Cornell University Graduate Fellowship (Aug. 2010 - Aug. 2011)
- The Johns Hopkins University Academic Scholarship (Aug. 2007 - May 2008)
- St. John's University Dean's List (Inducted Annually Sep. 2002 - May 2006)
- St. John's University Academic Scholarship (Awarded Annually Sep. 2002 - May 2006)
- Roger Bacon Scientific Honor Society (Inducted Annually 2002 - 2006)
- Joule Energy Award by the Chemistry Department of St. John's University for achievement in chemistry (May 2003)
- VATRA Educational Foundation Scholarship (Jan. 2003)
- Phi Eta Sigma Freshman National Honor Society (Inducted 2003)

CERTIFICATES

Core Concepts for Independent Educational Consultants <i>National Association for College Admission Counseling</i>	Aug. 2025
College Counseling for International Students <i>National Association for College Admission Counseling</i>	Aug. 2025
DP Chemistry, Category 1 <i>International Baccalaureate Organization</i>	Nov. 2018
DP Biology, Category 1 <i>International Baccalaureate Organization</i>	Sep. 2017
MYP Sciences, Category 1 <i>International Baccalaureate Organization</i>	Jul. 2017

LANGUAGE SKILLS

Native fluency	English (C2)
Advanced knowledge	French, Italian, Spanish

PUBLICATIONS

- Sirot LK, Findlay GD, Sitnik JL, **Fraseri D**, Avila FW, Wolfner MF. *Molecular characterization and evolution of a gene family encoding both female- and male-specific reproductive proteins in Drosophila*. **Mol Biol Evol** 2014; 31(6): 1554-67.
- Kochenderfer JN, Yu Z, **Fraseri D**, Restifo NP, and Rosenberg SA. *Adoptive transfer of syngeneic T cells transduced with a chimeric antigen receptor that recognizes murine CD19 can eradicate lymphoma and normal B cells*. **Blood** 2010; 116 (19): 3875-3886.