CURRENT POSITION

University of Turin — Turin, Italy
Assistant Professor in Organic Chemistry — 2018-Present
Department of Drug Science and Technology

PREVIOUS POSITIONS

Institute of Bioengineering and Nanotechnology (A*STAR-IBN) — Singapore
Research Scientist — 2017-2018

University of California, San Diego — La Jolla, CA, USA
Postdoctoral Fellow. Advisor: Yitzhak Tor — 2013-2017

EDUCATION

University of Geneva — Geneva, Switzerland
Ph.D. in Chemistry. Advisor: Stefan Matile. — 2012
Dissertation title: Design, synthesis and evaluation of fluorescent probes for biological applications.

University of Turin — Turin, Italy
M.Sc. in Industrial Chemistry. — 2008
Dissertation title: Oligopyridylic ligands and their ruthenium complexes as photosensitizer in solar cells.
Degree obtained as *magna cum laude*.

University of Turin — Turin, Italy
B.Sc. in Industrial Chemistry. — 2006
Dissertation title: Synthesis and characterization of cationic surfactants.

RESEARCH INTEREST

The research activity of Dr. Fin resides at the interface of organic, biological and material chemistry. The research activities are directed towards the development of functional probes and natural molecule analogs for the investigation of biological relevant process and macromolecules. Remarkable efforts are dedicated to the development of biological inspired functional probes, characterized by unique photophysical properties and high biocompatibility. In parallel, fine molecular design is applied for the preparation and properties modulation of functional dyes and monomers suitable for the production of high-tech innovative materials.

SCIENTIFIC PRODUCTION AND SELECTED PUBLICATIONS (ORCID: 0000-0002-7567-4646)

Author of 22 peer-reviewed publications (5 x Angew. Chem. Int. Ed., 2x J.Am. Chem. Soc, 2 x Chem. Sci.) and one book chapter (Springer).

Hallé, F.; Fin, A.; Rovira, A. R.; Tor, Y. “Emissive Synthetic Cofactors: Enzymatic Interconversions of tzA Analogues of ATP, NAD+, NADH, NADP+, and NADPH” *Angew. Chem. Int. Ed.* **2018**, *57*, 1087-1090.

Rovira, A. R.; Fin, A.; Tor, Y. " Emissive Synthetic Cofactors: An Isomorphic, Isofunctional, and Responsive NAD+ Analogue" *J. Am. Chem. Soc*. **2017**, *139*, 15556-15559.

Li, Y.; Fin, A.; McCoy, L.; Tor, Y. “Polymerase-mediated site-specific incorporation of a synthetic fluorescent isomorphic G surrogate into RNA” *Angew. Chem. Int. Ed.* **2017**, *56*,1303 –1307.

Rovira, A. R.; Fin, A.; Tor, Y. "Chemical Mutagenesis of an Emissive RNA Alphabet" *J. Am. Chem. Soc.* **2015**, *137*, 14602-14605.

Fin, A.; Vargas Jentzsch, A.; Sakai, N.; Matile, S. “Oligothiophene amphiphiles as planarizable and polarizable fluorescent membrane probes”, *Angew. Chem. Int. Ed.* **2012**, *51*, 12736-12739.