ALLEGATO B

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   Codice concorso 4387

[Serena Arnaboldi] CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	ARNABOLDI
NOME	SERENA
DATA DI NASCITA	[20, 07, 1985]

EDUCATION AND TRAINING

1st June- Post-Doc in Analytical Chemistry
University of Bordeaux (France), NSySA Group, Institute of Molecular Sciences, Supervisor: Professor Alexander Kuhn
The project is aimed to transfer chirality at different length scales, from the molecular one to the macroscopic one.

1st October-30th April Visiting Scientist in the laboratories of Professor Alexander Kuhn, NSySA group, at University of Bordeaux, Institute of Molecular Sciences (Bordeaux, France)
The collaboration is focused on bipolar electrochemistry employing inherently chiral materials.

9th - 13th April 2018 CVIS - Cyclic Voltammetry International School 2018, Université Paris Diderot, Paris (France).
The number of participants was limited to 10 and I have been chosen as attendee among more than 40 applications.

27th-30th November 2017 CHESS School 2017- Conventional and High-Energy Spectroscopies for Inorganic, Organic and Biomolecular Surfaces and Interfaces, Florence, (Italy). I was awarded with the scholarship that fully covered the school registration fees.

July 2017 Work experience in the laboratories of Professor Sabine Ludwigs at Universität Stuttgart, Institute of Polymer Chemistry (Stuttgart, Germany)

May 2017 Work experience in the laboratories of Professor Sabine Ludwigs at Universität Stuttgart, Institute of Polymer Chemistry (Stuttgart, Germany)

February 2017 Work experience in the laboratories of Doctor Roberto Cirilli at Istituto Superiore di Sanità (Rome, Italy) to perform chiral HPLC at a semi-preparative level

July 2016 Work experience in the laboratories of Doctor Roberto Cirilli at Istituto Superiore di Sanità (Rome, Italy) to perform chiral HPLC at a semi-preparative level

July 2016 — Work experience in the laboratories of Professor Sabine Ludwigs at Universität Stuttgart, Institute of Polymer Chemistry (Stuttgart, Germany)

April 2016 — Work experience in the laboratories of Professor Alexander Kuhn at University of Bordeaux, Institute of Molecular Sciences (Bordeaux, France) to perform macroporous gold electrode

February 2016 — Work experience in the laboratories of Doctor Roberto Cirilli at Istituto Superiore di Sanità (Rome, Italy) to perform chiral HPLC at a semi-preparative level

1st-4th February 2016 — School of Chemiometry - Università degli Studi di Genova, Department of Pharmacy

June 2015-May 2020 — Post-Doc in Analytical Chemistry

Università degli Studi di Milano, Department of Chemistry

Project entitled: "Inherently Chiral Molecular Materials in Electrochemistry and Electroanalysis"

The project is aimed to achieve deep knowledge and wide-range exploitation in an ample selection of new, advanced sensing applications of the enantioselectivity properties of "inherently chiral" electroactive molecular materials and ionic liquid media.

December 2014- — Thesis Cotutor

Università degli Studi di Milano, Department of Chemistry

November 2011-December 2014 — PhD Student in Chemical Sciences

Università degli Studi di Milano, Department of Chemistry

PhD Thesis: "Chiral Electrochemistry in Ionic Liquids", discussed on December 2nd 2014.

Supervisors: Prof. Patrizia Romana Mussini (Università degli Studi di Milano) and Prof. Armando Gennaro (Università degli Studi di Padova)

My research project was supported by two grants from Fondazione Cariplo (no. 2011-0417 "Materials Science" and no. 2011-1851 "Frontier Research in the Chemistry Field").

3rd -6th June 2013 — VI National Course of Introduction to Photochemistry

Università degli Studi di Bologna, "G. Ciamician" Department of Chemistry

2008-2011 — Laurea Magistrale in Scienze Chimiche Applicate e Ambientali
(Master degree in Applied and Environmental Chemical Sciences)

Università degli Studi di Milano (Milano, Italy), Department of Physical Chemistry and Electrochemistry

M. Sc. in Applied and Environmental Chemical Sciences, Università degli Studi di Milano, with a thesis entitled:

"The solvent proticity effect in the reductive cleavage of carbon-halogen bond on silver and gold electrodes".

Supervisors: Prof. Patrizia Romana Mussini (Università degli Studi di Milano) and Prof. Armando Gennaro (Università degli Studi di Padova) I studied the electron transfer mechanism in model processes of molecular electrocatalysis (particularly carbon-halide cleavage in alkyl and aryl halides on Ag and Au) by varying the proticity of the organic solvent [*Electrochimica Acta* 2015, 158, 427–436].

2004-2008 — Laurea in Chimica Applicata e Ambientale
(Bachelor degree in Applied and Environmental Chemistry)

Università degli Studi di Milano (Milano, Italy), Department of Physical Chemistry and Electrochemistry

B.Sc. in Applied and Environmental Chemistry, Università degli Studi di Milano, with a thesis entitled:

"Characterization of electrocatalysts based on silver by microcavity electrode".

Supervisors: Prof. Sandra Rondinini (Università degli Studi di Milano), Prof. Alberto Vertova (Università

degli Studi di Milano)

Publications

***h*-index :** 10, total citations: 331

2020 Serena Arnaboldi, Bhavana Gupta, Tiziana Benincori, Giorgia Bonetti, Roberto Cirilli, Alexander Kuhn, Absolute Chiral Recognition with Hybrid Wireless Electrochemical Actuators, ANALYTICAL CHEMISTRY, 10.1021/acs.analchem.0c01817, **IF 6.350**

2020 Sara Grecchi, Serena Arnaboldi, Marcus Korb, Roberto Cirilli, Silvia Araneo, Vittoria Guglielmi, Giorgio Tomboni, Mirko Magni, Tiziana Benincori, Heinrich Lang, Patrizia Romana Mussini, Widening the scope of "inherently chiral" electrodes: enantiodiscrimination of chiral electroactive probes with planar stereogenicity, CHEMELECTROCHEM, 10.1002/celc.202000657 **IF 3.975**

2020 Giorgia Bonetti, Serena Arnaboldi, Sara Grecchi, Giulio Appoloni, Elisabetta Massolo, Sergio Rossi, Rocco Martinazzo, Francesco Orsini, Patrizia R. Mussini, Tiziana Benincori, Effective Enantiodiscrimination in Electroanalysis Based on a New Inherently Chiral 1,1′-Binaphthyl Selector Directly Synthesizable in Enantiopure Form, MOLECULES, 25(9), 2175 **IF 3.060**

2019 Serena Arnaboldi, Daniele Vigo, Mariangela Longhi, Francesco Orsini, Sephira Riva, Sara Grecchi, Elena Giacovelli, Vittoria Guglielmi, Roberto Cirilli, Giovanna Longhi, Giuseppe Mazzeo, Tiziana Benincori, Patrizia R. Mussini, Self-standing membranes consisting of inherently chiral electroactive oligomers: electrosynthesis, characterization and preliminary tests in potentiometric setups, CHEMELECTROCHEM, DOI: 10.1002/celc.201900779R1 **IF 3.975**

2019 T. Benincori, S. Arnaboldi, M. Magni, S. Grecchi, C. Fontanesi, P. R. Mussini, Highlighting spin selectivity properties of chiral electrode surfaces from redox potential modulation of an achiral probe under applied magnetic field, CHEMICAL SCIENCE, DOI: 10.1039/C8SC04126A **IF 9.063**

2019 S. Arnaboldi, T. Benincori, A. Penoni, L. Vaghi, R. Cirilli, S. Abbate, G. Longhi, G. Mazzeo, S. Grecchi, M. Panigati, P. R. Mussini, Highly Enantioselective "Inherently Chiral" Electroactive Materials Based on the 2,2'-Biindole Atropisomeric Scaffold, CHEMICAL SCIENCE, DOI: 10.1039/C8SC04862B **IF 9.063**

2019 D. Dova, S. Cauteruccio, N. Manfredi, S. Prager, A. Dreuw, S. Arnaboldi, P. R. Mussini, E. Licandro, A. Abbotto, An unconventional helical push-pull system for solar cells, DYES AND PIGMENTS, 16, 382–388 **IF 3.767**

2019 M. Longhi, S. Arnaboldi, E. Husanu, S. Grecchi, I. F. Buzzi, R. Cirilli, S. Rizzo, C. Chiappe, P. R. Mussini, L. Guazzelli, A family of chiral ionic liquids from the natural pool: Relationships between structure and functional properties and electrochemical enantiodiscrimination tests, ELECTROCHIMICA ACTA, 298, 194-209 **IF 5.116**

2019 S. Arnaboldi, S. Cauteruccio, S. Grecchi, T. Benincori, M. Marcaccio, A. Orbelli Biroli, G. Longhi, E. Licandro, P. R. Mussini, Thiahelicene-based inherently chiral films for enantioselective electroanalysis, CHEMICAL SCIENCE, DOI: 10.1039/C8SC03337D **IF 9.063**

2018 M. Gazzotti, S. Arnaboldi, S. Grecchi, R. Giovanardi, M. Cannio, L. Pasquali, A. Giacomino, O. Abollino, C. Fontanesi, Spin-dependent electrochemistry: Enantio-selectivity driven by chiral-induced spin selectivity effect, ELECTROCHIMICA ACTA, 286, 271-278 **IF 5.116**

2018 T. Benincori, S. Gamez-Valenzuela, M. Goll, K. Bruchlos, C. Malacrida, S. Arnaboldi, P. R. Mussini, M. Panigati, T. Lopez Navarrete Juan, C. Ruiz Delgado M., G. Appoloni, S. Ludwigs, Electrochemical studies of a new, low-band gap inherently chiral ethylenedioxythiophene-based oligothiophene, ELECTROCHIMICA ACTA, 284, 513-525 **IF 5.116**

2018 T. Benincori, G. Appoloni, P. R. Mussini, S. Arnaboldi, R. Cirilli, E. Quartapelle Procopio, M. Panigati, S. Abbate, G. Mazzeo, G. Longhi, Searching for Models Exhibiting High Circularly Polarized Luminescence: the Electroactive Inherently Chiral Oligothiophenes, CHEMISTRY-A EUROPEAN JOURNAL, 24, 11082-11093 **IF 5.160**

2018 S. Rizzo, S. Arnaboldi, R. Cirilli, A. Gennaro, A. A. Isse, F. Sannicolò, P. R. Mussini, An "inherently chiral" 1,1′-bibenzimidazolium additive for enantioselective voltammetry in ionic liquid media, ELECTROCHEMISTRY COMMUNICATIONS, 89, 57-61 **IF 4.660**

2018 S. Arnaboldi, S. Grecchi, M. Magni, P. Mussini, Electroactive chiral oligo- and polymer layers for electrochemical enantiorecognition. CURRENT OPINION IN ELECTROCHEMISTRY, 7, 188-199, **IF 5.579**

2018 S. Arnaboldi, M. Magni, P. R. Mussini, Enantioselective selectors for chiral electrochemistry and electroanalysis: Stereogenic elements and enantioselection performance. CURRENT OPINION IN ELECTROCHEMISTRY, 8, 60-72, **IF 5.579**

2017 E. Quartapelle Procopio, T. Benincori, G. Appoloni, P.R. Mussini, S. Arnaboldi, C. Carbonera, R. Cirilli, A. Cominetti, L. Longo, R. Martinazzo, M. Panigati, R. Pò, A family of solution-processable macrocyclic and open-chain oligothiophenes with atropoisomeric scaffolds: Structural and electronic features for potential energy applications. NEW JOURNAL OF CHEMISTRY, 41, 10009-10019 **IF 3.201**

2017 A. A. Isse, S. Arnaboldi, C. Durante, A. Gennaro, Electrochemical reduction of organic bromides in 1-butyl-3-methylimidazolium tetrafluoroborate. JOURNAL OF ELECTROANALYTICAL CHEMISTRY, 804, 240-247 **IF 3.235**

2017 K. V. Yusenko, S. Riva, P. A. Carvalho Maria, V. Yusenko, S. Arnaboldi, A. S. Sukhikh, M. Hanfland, S. A. Gromilov, First hexagonal close packed high-entropy alloy with outstanding stability under extreme conditions and electrocatalytic activity for methanol oxidation. SCRIPTA MATERIALIA, 138, 22-27 **IF 4.163**

2017 K. V. Yusenko, E. Bykova, M. Bykov, S. Riva, W. A. Crichton, M. V. Yusenko, A. S. Sukhikh, S. Arnaboldi, M. Hanfland, L. S. Dubrovinsky, S. A. Gromilov, Ir–Re binary alloys under extreme conditions and their electrocatalytic activity in methanol oxidation. ACTA MATERIALIA, 139, 236-243 **IF 6.036**

2017 **S**. Rizzo, S. Arnaboldi, V. Mihali, R. Cirilli, A. Forni, A. Gennaro, A.A. Isse, M. Pierini, P.R. Mussini, F. Sannicolò, "Inherently Chiral" Ionic-Liquid Media: Effective Chiral Electroanalysis on Achiral Electrodes. ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, 56, 2079-2082, **IF 12.102**

Back Cover: (Angew. Chem. Int. Ed. 8/2017) (page 2218)

2016 F. Sannicolò, P.R. Mussini, T. Benincori, R. Martinazzo, S. Arnaboldi, G. Appoloni, M. Panigati, E. Quartapelle Procopio, V. Marino, R. Cirilli, S. Casolo, W. Kutner, K. Noworyta, A. Pietrzyk-Le, Z. Iskierko, K. Bartold, Inherently Chiral Spider-Like Oligothiophenes. CHEMISTRY-A EUROPEAN JOURNAL, 22, 10839-10847, **IF 5.160**

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2016 S. Arnaboldi, T. Benincori, R. Cirilli, S. Grecchi, L. Santagostini, F. Sannicolò, P.R. Mussini, "Inherently chiral" thiophene-based electrodes at work: a screening of enantioselection ability toward a series of pharmaceutically relevant phenolic or catecholic amino acids, amino esters, and amine. ANALYTICAL AND BIOANALYTICAL CHEMISTRY, 408, 7243-7254, **IF 3.307**

2015 S. Arnaboldi, M. Magni, P.R. Mussini, A. Gennaro, A.A. Isse, "Egg of Columbus": single-step complete removal of chloride impurities from ionic liquids by AgCl deposition on silver electrode. ELECTROCHEMISTRY COMMUNICATIONS, 51, 46-49, **IF 4.660**

2015 S. Arnaboldi, R. Cirilli, A. Forni, A. Gennaro, A. A. Isse, V. Mihali, P. R. Mussini, M. Pierini, S. Rizzo, F. Sannicolò, Electrochemistry and chirality in Bibenzimidazole systems. ELECTROCHIMICA ACTA, 179, 250-262 **IF 5.116**

2015 S. Arnaboldi, T. Benincori, R. Cirilli, W. Kutner, M. Magni, P.R. Mussini, K. Noworyta, F. Sannicolò, Inherently chiral electrodes: the tool for chiral voltammetry. CHEMICAL SCIENCE, 6, 1706-1711 **IF 9.063**

2015 S. Arnaboldi, A. Gennaro, A.A. Isse, P.R. Mussini, The solvent effect on the electrocatalytic cleavage of carbon-halogen bonds on Ag and Au. ELECTROCHIMICA ACTA, 158, 427-436 **IF 5.116**

2014 S. Arnaboldi, A. Bonetti, E. Giussani, P.R. Mussini, T. Benincori, S. Rizzo, A.A. Isse, A. Gennaro, Electrocatalytic reduction of bromothiophenes on gold and silver electrodes: An example of synergy in electrocatalysis. ELECTROCHEMISTRY COMMUNICATIONS, 38, 100-103 **IF 4.660**

2014 F. Sannicolò, P.R. Mussini, T. Benincori, R. Cirilli, S. Abbate, S. Arnaboldi, S. Casolo, E. Castiglioni, G. Longhi, R. Martinazzo, M. Panigati, M. Pappini, E.Q. Procopio, S. Rizzo, Inherently chiral macrocyclic oligothiophenes: easily accessible electrosensitive cavities with outstanding enantioselection performances. CHEMISTRY-A EUROPEAN JOURNAL, 20, 15298-15302 **IF 5.160**

2014 F. Sannicolò, S. Arnaboldi, T. Benincori, V. Bonometti, R. Cirilli, L. Dunsch, W. Kutner, G. Longhi, P.R. Mussini, M. Panigati, M. Pierini, S. Rizzo, Potential-Driven Chirality Manifestations and Impressive Enantioselectivity by Inherently Chiral Electroactive Organic Films. ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, 53, 2623-2627 **IF 12.102**

Patent Application WO 2015-IB53774: "Oligoareni e Oligoeteroareni Macrociclici Elettroattivi ad Assi Stereogenici"

Honors and awards

a) Finalist *of "Premio levi 2019"* and awarded for the best publication on "Thiahelicene-based inherently chiral films for enantioselective electroanalysis", CHEMICAL SCIENCE, DOI: 10.1039/C8SC03337D
b) Winner of the *"ISE Travel Awards for Young Electrochemists 2019"*
c) Finalist *of "Premio levi 2016"* and awarded for the best publication on "Angew. Chem. Int. Ed. 2017 on Inherently Chiral Ionic Liquids"
d) Awarded for the best publication competition in the Institute of Physical Chemistry of the Polish Academy of Sciences [2015, Chemical Science, 6, 1706]
e) Invited speaker at 6th EuCheMS Chemistry Congress 2016 (Seville, Spain).
f) Invited speaker at Universität Stuttgart 2016, Institute of Polymer Chemistry (Stuttgart, Germany).
g) Winner of the "International Dropsens Award 2016" for the best research work in applied electroanalytical chemistry (in the frame of 16th ESEAC Conference in Bath on 12th-16th June 2016) with the work entitled: "Inherently chiral" screen-printed supports: tools for chiral electroanalysis
h) During the 18th edition of EuroAnalysis The European Conference of Analytical Chemistry (September 2015, Bordeaux) I was awarded with the "Best Poster Prize" (supported by Sigma Aldrich) with the presentation of the contribution: "Inherently Chiral Supporting Electrolytes and Ionic Liquids"
i) Awarded with the scholarship for young researchers for the partecipation to the "XXV Congresso della Divisione di Chimica Analitica" 13th-17th September 2015, Trieste, Italy
l) Premio di Dottorato 2015 "Fondazione Denora" for the best PhD thesis entitled "Chiral Electrochemistry in Ionic Liquids"
m) During the international ISE congress at Lausanne (September 2014, Switzerland) I was awarded with the "Best Poster Prize" with the presentation of the contribution: "The thiophene-based inherently chiral monomer family grows: molecular design and electrochemical properties".
n) During the GEI-ERA congress at St. Marina Salina (June 2012, Italy) I was awarded with the scholarship for young researchers with the presentation of the oral contribution: "RTILs vs VOCs: the role of the electropolymerization medium on the features of inherently chiral polymer films ".

Conferences

I participated in several conferences both national and international, where I presented some of the results of my 5-year thesis, PhD thesis and Post-Doc project, both in the form of oral contributions and posters.

1) 13th ECHEMS Meeting, 20th-23rd May 2019, Saint-Pierre-d'Oleron, France
Oral Presentation: Artificial enantiopure inherently chiral membranes: enantiodiscrimination trough a new "ion-selective like" setup
2) ISE Electrochemistry from Knowledge to Innovation, 2nd-7th September 2018, Bologna, Italy
Oral Presentation: Strategies for High Enantioselectivity on Achiral Electrode Surfaces: Implementing Inherent Chirality in Electrode|(Ionic Liquid) Interfaces
Poster Presentation: Electrocatalytic Reduction of Bromothiophenes on Gold and Silver Electrodes: an Example of Synergism in Electrocatalysis
3) XXVIII Congresso della Divisione di Chimica Analitica, 16th-20th June 2018, Bologna, Italy
Oral Presentation: Optimizing the Electrodeposition Protocol of Enantioselective Inherently Chiral Electrode Surfaces: a Multi- Technique Investigation
4) ESEAC 2018, 3rd-7th June 2018, Rodi, June
Oral Presentation: Panoramic overview on the enantioselection performance of inherently chiral surfaces in electroanalysis
5) wGEI 2018, 21st – 25th January 2018, Sestriere
Oral Presentation: Enantioselective voltammetry on achiral electrodes, invited Oral
6) SMCBS 2017- 3rd – 7th November 2017, Poland
Oral Presentation: Optimizing the Electrodeposition Protocol of Enantioselective Inherently Chiral Electrode Surfaces: a Multi-Technique Investigation
7) XXVI Congresso Nazionale SCI 2017 -10th-14th September 2017, Paestum (SA), Italy
Oral Presentation: Inherently chiral molecular materials with 2,2'- and 3,3'-bisindole atropisomeric cores: interactions between equivalent redox sites, configurational stability and enantioselection ability
Poster Presentation: 1. Artificial Inherently Chiral Electroactive Membranes, 2. Panoramic Overview on the Enantioselection Performance of Inherently Chiral Surfaces: a Comparison between Systems with Different Atropisomeric Cores and Stereogenic Elements

8) 68th Annual ISE Meeting in Providence, RI, USA, 27th August-1st September 2017, Providence, RI, USA
Oral presentation: Panoramic Overview on the Enantioselection Performance of Inherently Chiral Surfaces: a Comparison between Systems with Different Atropisomeric Cores and Stereogenic Elements
9) 50rd Heyrovsky Discussion on Molecular Electrochemistry in Organometallic Science-18th -22nd June 2017, Trest, Czech Republic
Oral presentation: Panoramic Overview on the Enantioselection Performance of Inherently Chiral Surfaces: a Comparison between Systems with Different Atropisomeric Cores and Stereogenic Elements
Poster Presentation: 1. Artificial Inherently Chiral Electroactive Membranes, 2. Inherently chiral molecular materials with 2,2'- and 3,3'-bisindole atropisomeric cores: interactions between equivalent redox sites, configurational stability and enantioselection ability
10) XII ECHEMS, 6th-9th June 2017, Milano Marittima, Italy
Oral presentation: Panoramic Overview on the Enantioselection Performance of Inherently Chiral Surfaces: a Comparison between Systems with Different Atropisomeric Cores and Stereogenic Elements
Poster Presentation: Artificial Inherently Chiral Electroactive Membranes
11) 6th EuCheMS Chemistry Congress 2016, 11th-15th September 2016, Seville, Spain
Oral Presentation: Achieving Effective Inherently Chiral Electroanalysis on Chiral and Achiral Electrodes, keynote
12) ISE The Hague 2016 Electrochemistry: from Sense to Sustainability-21st-26th August 2016, The Hague, The Netherlands
Oral Presentation: Highly Enantioselective "Inherently Chiral" Film Electrodes at Work
Poster Presentation: Achieving chiral electroanalysis on achiral electrodes in innovative "inherently chiral" ionic liquid media
13) 16th ESEAC-12th-16th June 2016, Bath, United Kingdom
Oral presentation: "Achieving Effective Inherently Chiral Electroanalysis on Chiral and Achiral Screen-Printed Supports"
14) Terzo Convegno Nazionale Sensori-23rd-25th February 2016, Rome, Italy
Oral presentation: "Highly Enantioselective Inherently Chiral Film Electrodes"
15) SAYCS 2015-27th -29th October 2015, Rimini, Italy
Oral Presentation: "Versatile Inherently Chiral Materials for Electrochemistry"
16) GEI Giornate dell' Elettrochimica Italiana- 20th-24th September 2015, Bertinoro, Italy
Oral presentation: "Chiral Electrochemistry in Ionic Liquids"
17) XXV Congresso della Divisione di Chimica Analitica-13th-17th September 2015, Trieste, Italy
Oral presentation: "Inherently Chiral" Electrodes: Tools for Chiral Voltammetry"
18) 18th EuroAnalysis The European Conference of Analytical Chemistry -6th-10th September 2015, Bordeaux, France
Poster Presentation: "Inherently Chiral Supporting Electrolytes and Ionic Liquids"
19) GS 2015 - Sensori e biosensori: stato dell'arte e nuove prospettive-15th-17th June 2015, 6 Parma, Italy
Oral Contribution: "Enantiorecognition towards L- and D-DOPA on easy-to-prepare inherently chiral film electrodes"
20) WEEM 2015 (Workshop on the Electrochemistry of Electroactive Materials)- 31st May-5th June 2015-Bad Herrenalb, Germany
Poster Presentation: "Chiral Electrochemistry Introducing the Inherent Chirality Concept in Ionic Liquids"
21) Macrogiovani 2014 (Young scientist meeting organized by AIM, Italian Society of Macromolecular Science and Technology)-16th September 2014, Torino, Italy
Oral Contribution: "Elettrodi enantioselettivi a base di materiali molecolari inerentemente chirali"
22) XXV Congresso Nazionale SCI 2014 -7th-12th September 2014, Arcavacata di Rende, Italy
Oral Contribution: "Inherent Chirality in Electrochemistry: a Versatile Concept".
Poster Presentation: "Electrochemistry of Inherently Chiral Thiophene-based Materials in Achiral and Chiral Ionic Liquids"
23) ISE Lausanne 2014 Ubiquitous Electrochemistry-31st-August-5th September 2014, Lausanne, Switzerland
Poster Presentations: 1."Electrochemistry of Inherently Chiral Thiophene-based Materials in Achiral and Chiral Ionic Liquids", 2. "The Thiophene-based Inherently Chiral Monomer Family Grows: Molecular Design and Electrochemical Properties"
24) GEI 2013 -22th-27th September 2013, Pavia, Italy
Oral Contribution: "Electrochemically active chiral molecular materials: the "inherent chirality" approach".
Poster Presentations: 1."Electrodeposition of enantioselective inherently chiral electrode surfaces: from traditional media to RTILs". 2. "The key role of the medium in the reductive cleavage of RX bonds at catalytic and non-catalytic electrodes: from aprotic and protic traditional solvents to ionic liquids".
25) EUPOC 2013 Conference on Polymers and Ionic Liquids -1st-5th September 2013, Gargnano, Italy-
Oral Contribution: "Enantioselective electrodes based on inherently chiral molecular materials".
26) 46rd Heyrovsky Discussion on Molecular Electrochemistry in Organometallic Science-23rd -27th June 2013, Trest, Czech Republic
Oral Contribution: "Inherently chiral electrochemically active molecules and molecular materials: concept,

strategy, potentialities".
Poster Presentation: 1."The key role of the medium in the reductive cleavage of RX bonds at catalytic and non-catalytic electrodes: from aprotic and protic traditional solvents to ionic liquids". 2. "Electrodeposition of thiophene-based inherently chiral electrode surfaces: from traditional media to RTILs".
27) Macrogiovani 2013 -11th February 2013, Milan, Italy
Oral Contribution: "Inherently Chiral Conducting Polymers".
28) 8th ECHEMS Meeting in Electrochemistry in Molecular Surface Science and Catalysis, 28thJune-1st July 2012, Bertinoro, Italy
Oral Contribution: "RTILs vs VOCs: the role of the electropolymerization medium on the features of inherently chiral polymer films".
29) GEI-ERA 2012 -17th-22th June 2012, Santa Marina Salina, Italy
Oral Contribution: "RTILs vs VOCs: the role of the electropolymerization medium on the features of inherently chiral polymer films". Poster Presentation: "A model case of DET in Ionic Liquids: the reductive cleavage of carbon-halogen bonds on non-catalytic and catalytic electrode surfaces".
30) XXIV Congresso Nazionale SCI 2011 -11th-16th September 2011, Lecce, Italy
Poster Presentation: "The solvent effect on the electrocatalytic cleavage of carbon-halide bonds on Ag and Au: a comparison between concerted and stepwise DET cases".

Memberships

I am currently a member of the International Society of Electrochemistry (ISE) and of the Analitical and Electrochemical Divisions of the Italian Chemical Society (SCI).

PERSONAL SKILLS

I was in the organizing committee of the XII ECHEMS meeting (2017), an international conference. In September I will be involved in the organization of the "Molecular Electrochemistry" Symposium of ISE 2020 (a meeting organized by the International Society of Electrochemistry)

I was/am cotutor of 10 master thesis and 20 bachelor thesis. I am cotutor of a PhD Thesis.
I am in charge of teaching Analytical Chemistry to bachelor students enrolled in "Scienze e Sicurezza Chimico-Tossicologiche dell'Ambiente" at Università degli Studi di Milano.
During the 2nd year of my PhD I had the opportunity to give seminar lessons to bachelor students.
From 2011 I have taken part in the organization and management of educational activities (most of them addressed to high school students and science teachers) organized by Università degli Studi di Milano.
Laboratory assistance for students in physical chemistry and analytical chemistry.
I have given seminars to master's students on chiral electroanalysis.
I worked on the PLS "Progetto Lauree Scientifiche" in the frame of the third mission.

Mother tongue(s)

Italian

Other Language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Independent	Proficient	Independent	Independent	Independent
French	Independent	Proficient	Basic	Basic	Independent

Communication skills

Good scientific communication skills gained through experience of oral and poster presentations at national and international scientific meetings.

Organizational/ managerial skills

I chaired sessions in different national and international meetings.
I was invited speaker with a keynote at two conferences: 6th EuCheMS Chemistry Congress 2016, 11th-15th September 2016, Seville, Spain and wGEI 2018, 21st – 25th January 2018, Sestriere.
I was in the organizing committee of the XII ECHEMS meeting (2017), an international conference.
As senior young researcher I am in charge of many coordination, training and management tasks, and I collaborate with the research group coordinator in programming, scheduling and disseminating our scientific activities.
Co-editor for the Special Issue: Advanced Organic Molecular Electroactive Materials (Molecules).
Co-editor for the Special Issue: Polymers as a Springboard in Material Sciences: From Insulating Protective Coatings to Conducting Smart Films (Applied Sciences).

Job-related skills

Electrochemistry; Electroanalysis; Electrocatalysis; Voltammetric Techniques; Chiral Electrodes;

Electrochemical Impedance Spectroscopy (EIS); Potentiometry; Conductimetry; Electrochemical Quartz Crystal Microbalance (EQCM); Microcavity Electrode; Spectroelectrochemistry; Material Chemistry; Conducting Polymers; Molecular Semiconductors; Electroactive thin films (chiral, electrochromic, *etc.*), Chiral HPLC at a semi-preparative level, Langmuir-Blodgett films, Mesoporous Electrodes, Chemiometry, UV-Visible Techniques, IR Techniques, bipolar electrochemistry

Other skills

Classical Dance at professional level
I have practiced ballet for nine years, and have taken the exams up till grade 9th. Dance have remained one of my main interests, teaching me that with discipline and hard work every kind of obstacle can be overcome.

Data 10/07/2020 Luogo Pessac, Bordeaux, France