EYCN

European Young Chemists’ Network

Alice SOLDÀ, Ph.D.
Chair of the EYCN
chair@eycn.eu
www.eycn.eu

partners with:

EuChemS General Assembly – Liverpool (UK)

August 25th 2018
EYCN Board 2017-2019

Chair
Alice SOLDÀ

Secretary
Torsten JOHN

Networks Team Leader
Victor MOUGEL

Science Team Leader
Hanna MAKOWSKA

Membership Team Leader
Jelena LAZIĆ

Communication Team Leader
Kseniia OTVAGINA

EuChemS General Assembly – Liverpool (UK)
Goals of the EYCN

Provide a platform to exchange new ideas and projects for young chemists around Europe & beyond

Promote the exchange of knowledge and experience among young chemists

Mentoring, educating and supporting young researchers at the beginning of their career

Improve the visibility of chemistry and bring it closer to a wider audience, also outside the research field
13th Delegates’ Assembly

36 Delegates → New delegates!

22 countries and 24 societies

Many Invited speakers:
- EuChemS President
- Evonik Industries
- IYCN Representative
- 2 ACS-YCC Delegates (USA)
- RSC (Sarah Thomas)
- Soft-Skills talks
  (Education in Chemistry, Mobility and Mentoring Project, etc.)

Mainly sponsored by:

EuChemS General Assembly – Liverpool (UK)
Membership Team

Leader: Jelena LAZIĆ - membership@eycn.eu

Projects:

• Arrange and update the EYCN website;
• Keep track of the active delegates and member societies, renew connections with the societies that stopped sending delegates, establish contact with new societies;
• Create the Welcome Package (Welcome Letter, Flyer, Fact Sheet);
• Update the calendar with all the EYCN recognized events organized by and for young scientists across Europe;
• Create a statistics survey about the EYCN delegates.
Members of the EYCN

1. Austria
2. Belgium
3. Cyprus
4. Czech Republic
5. Finland
6. France
7. Germany
8. Greece
9. Hungary
10. Ireland
11. Italy
12. Macedonia (FYROM)
13. Netherlands
14. Poland
15. Portugal
16. Romania
17. Russia
18. Serbia
19. Slovakia
20. Slovenia
21. Spain
22. Sweden
23. Switzerland
24. Turkey
25. United Kingdom

25 Countries – 27 Societies – > 43625 members!

Part of EuChemS:

26. Croatia
27. Denmark
28. Estonia
29. Israel
30. Luxembourg
31. Montenegro
32. Norway

EuChemS General Assembly – Liverpool (UK)
Since 2017, **21 projects** have been supported all across Europe:

- Best poster/oral presentation
- Support of the national events
- Establishing new young divisions
EYCN flyer

Project Leader: Julian Dutzler (Austria, EYCN Science Team)
The European Young Chemists’ Network (EYCN) has representatives from 27 chemical societies located in 25 different countries. Each society can have up to two (2) official delegates in the EYCN, but the number of young people from one society who are actively involved in the EYCN is not limited.

Here are presented the statistics about the official EYCN delegates:

Out of the 35 official delegates:
- 23 are male (65.7%),
- 12 are female (34.3%).

Out of the 35 official delegates:
- 7 are between 20 and 25 years old (20%),
- 12 are between 25 and 30 years old (34.3%),
- 16 are between 30 and 35 years old (45.7%).

Out of the 35 official delegates:
- 2 are Bachelor students (5.7%),
- 5 are Master students (14.3%),
- 13 are PhD students (37.1%),
- 5 are Postdoctoral researchers (14.3%),
- 6 are Professors or Group leaders (17.1%),
- 3 work in industry (8.6%),
- 1 is a project manager (2.9%).
Networks Team

Leader: Victor MOUGEL - networks@eycn.eu

Projects:
• Identify **networking opportunities** and set the ground for fruitful collaborations;
• Draft and **propose international projects** with various partners: European COST Actions, Marie Curie Training Networks, etc...
• Provide **training/support** for young chemists;
• **Connect former recipients** of European grants/fellowships with new applicants;
• **Develop** global and local **actions** aimed to increase EYCN impact and visibility;
• Make EYCN a known discussion partner regarding issues related to young chemists in Europe **for policy makers** at European and National level.
COST Action Collaboration

Project Leader: Sebastian Sobottka (Germany)

- 2016. COST Action CM1201. Best project award.
- 2018. Sebastian Sobottka will represent the EYCN as Young Advisor on the Initial Training Network NANO-HOST. Theme: "Bio-based products and materials: a European network for a sustainable circular economy" (Coordinator: Dr. Pierluigi Barbaro, ICCOM-CNR Firenze). November 2018.
- Alice Soldà is in contact Anna Toivonen, Communication Coordinator of COST Academy, launched in September 2017, for future collaboration.
Observations:

• Mobility of young workers across the EU countries is very low
• Conditions vary strongly between countries \(\rightarrow\) long process of gathering information and comparing countries

Target of the EYCN:

• Offer an overview of all European countries regarding Chemistry in academia and industry on one webpage
Chemistry across Europe

Project Leader: Miguel Steiner (Austria)

Information Webpage about Chemistry in Europe

Chemistry in France

Is it in the European Credit Transfer and Accumulation System (ECTS)?
Yes.

What is the language of instruction in university?
French (in some rare cases English).

Is it common to have tuition fees and what is the average?
No tuition fees, but about 200€ per year for social security/health insurance.

How can you apply for a PhD position? What is the source of funding?
Two processes:
1) National fellowship (bourses maritimes): Application directly with the “Ecole Doctorale” (doctoral school) in the university of interest. Projects and topics are generally published on the university websites in April or May.
2) Other sources of funding: Application by contacting the laboratory of interest directly.

Who are the biggest employers in the field of chemistry?
The biggest employers in the field of chemistry are private. Academic jobs are rather competitive, but about 30 academic positions in Chemistry are opened every year.

What are the most websites to look for a job in the field of chemistry?
> http://www.ubm.fr/emploi-formations/emploi/bourses-emploi
> https://www.chemischnovellum.com/
> https://www.sncr.fr/

How is the university year split up?
2 Semester starting in September and January.

What is roughly the deadline for applying for university?

Map of EYCN members. Click on one of the markers to see more information about these countries.

map.eycn.eu
Mentoring MSCA & ERC

Project Leader: Victor Mougel (France)

Observations:
• Applying to MC fellowship and ERG StG is a complex process
• Support to the application is extremely heterogeneous in Europe

Target of the EYCN:
• Provide assistance for all European chemists to apply to MC fellowship and ERC StG
• The first seminar gained by experts and former grantees should take place at EuCheMS conference 2018 in Liverpool!
Mentoring MSCA & ERC

Project Leader: Victor Mougel (France)

EuCheMS Liverpool - EYCN Conference

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<tr>
<td>Morning</td>
<td>EYCN Speaker 1</td>
<td>EY Phd</td>
<td>EYCN Speaker 4</td>
<td>EYCN Soft Skills Workshops</td>
<td>RSC Early Career Symposium</td>
<td>YCCB Company Visit</td>
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<td>Arrival</td>
<td>Session about EYCN</td>
<td>Lunch about YCN</td>
<td>Lunch about ERC and MSCA Training Workshop</td>
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<td>Evening</td>
<td>Welcome dinner</td>
<td>EYCN Networking and Career Fair</td>
<td>Science in a bar</td>
<td>Farewell dinner</td>
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➢ The seminars will be recorded and shared on our social media!

EuChemS General Assembly – Liverpool (UK)
Soft-skills platform

Project Leader: Federico Bella (Italy)

09/2017: Poster Presentation: Tips, Trick & Tools @ 5th Conference of Young Chemists of Serbia in Belgrade.

11/2017: 8 SIMPLE RULES to design a great POSTER webinar @ the NNSTU n.a. R.E. Alekseev in Russia.


08/2018: Poster Presentation: Tips, Trick & Tools @ ACS Meeting in Boston (USA).

09/2018: How to prepare a good CV @ Symposium of the Russian Chemical Society

09/2018: Science communication @ the Membrane summer school in Russia.

10/2018: The Perspective of Young Chemists in Europe @ Conference on Digitalization in the chemical industry in Tallinn, Estonia.

10/2018: The Perspective of Young Chemists in Europe @ 6th Conference of Young Chemists of Serbia.

11/2018: Poster Presentation: Tips, Trick & Tools @ “Campus Event" in Innsbruck, Austria.

If you are organizing a workshop or a conference and you want to add in your program a soft-skills talk on paper writing, poster design, CV writing and EU project rules, please contact us! EYCN will be glad to give you our contribution!

EuChemS General Assembly – Liverpool (UK)
2nd EYCheM (2019)

Project Leader: João Borges (Portugal)

Aim:

Co-organizing the 2nd European Young Chemists Meeting – EYCheM (2nd Edition) just after the 14th EYCN Delegates’ Assembly.
14th EYCN Delegates’ Assembly +
2nd European Young Chemists’ Meeting/
21st JCF Spring Symposium

Bremen, Germany
18-20.03.2019 / 20-23.03.2019

EuChemS General Assembly – Liverpool (UK)
Science Team

Leader: Hanna MAKOWSKA - science@eycn.eu

Projects:

• **Promote chemistry** around Europe (e.g. Photochimica – *Photography contest*, Chemistry Rediscovered – *Video contest*);

• **Promote the EYCN** around Europe (designing promo materials like videos, posters, roll-ups for EYCN and EuChemS conferences);

• **Organize fundraising** for the Science Team projects;

• Collaboration with The Periodic Table for Schools;

• Promote the EYCN to corporations;

• Blog and scientific interview.
2nd Photochimica

Project Leader: Hanna MAKOWSKA (Poland)

Working on:

Drawing competition combined with the next photo competition (3rd Photochimica) in 2019.
2nd Video Contest

Project Leader: Yacintha Vermeer (Netherlands)

Special IYPT edition: Chemistry Rediscovered “In Your Element”

in collaboration with IUPAC and EuChemS

Max length: 90 sec
Age: 12-35 y.o.

Get creative and win 1 of 4 amazing prices!

Find all the information in the description!

Official launch: 1st October 2018
ACHEMA 2018

„Sustainability – renew, resource and rethink“

Project Leader: Maximilian Menche (Germany)

• Cooperation between the EYCN, German Young Chemists, Young Business Chemists
• Free Entry to ACHEMA provided for participants
• Speakers from BASF, United Nations, University of York, RWTH Aachen and more.
“Chemistry is everywhere”

Project Leader: Julian Dutzler (Austria)

Video project for promoting Chemistry and bring it closer to a wider audience, also outside the research field.

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**STORYBOARD**

Chemistry promoting video
First Draft

Note: All Videos in this document can be played using Acrobat Reader

Julian Dutzler
for Science Team - EYCN
EYCN interviews

Project Leader: Antonio M. Rodríguez García (Spain)

This project aims to reach great scientists who will help us to broaden the awareness of chemistry across the entire community.

Do you want to answer a few questions, such as...

a) How can we improve the general public perception of chemistry?
b) What would you like to see to be done in the next few years in Chemistry?
c) What about in the far future?
d) ...

Look for us and we will record you!
Communication Team

Leader: Kseniia OTVAGINA - communication@eycn.eu

Projects:

• Keep Social Media updated (Facebook, Twitter, LinkedIn, Instagram);
• Monthly Newsletter;
• Increase the visibility of the EYCN through Social Media channels;
• Respond to requests and questions, find and post useful or interesting information.

@eycn.eu
@EYCN: European Young Chemists' Network
@YoungChemists
#eycn
Press & Media

Leaders: Kseniia OTVAGINA (Russia), Diego García-Gómez (Spain), Michal Procházka (Slovakia).

Wikipedia project

In more than 20 different languages!

@European Young Chemists Network

All the videos of the 1st Chemistry Rediscovered are now online!

Monthly EYCN Newsletter

New outfit!

http://eepurl.com/dqrTTn
Evonik Industries

2018 - 2019 Cooperation Agreement

Creating a stable base for the promotion of EYCN activities and for support of new projects and ideas.

partners with:

EuChemS General Assembly – Liverpool (UK)
Industrial Sponsorship

Task Force

Project Leaders:
Saul Moorhouse (UK),
Thomas Vranken (Belgium)

VISION
Providing development and networking opportunities, in chemistry and related fields, to early career chemists across Europe.

IDENTITY
Our close network is young and highly-skilled; we advise and mentor our members on studying and working across Europe.

We recognise the importance of youth STEM capability in the 21st Century; our EYCA award showcases the best in early-career talent.

Connectivity with and within Europe is our bedrock; our Young Chemists Crossing Borders program connects chemists across continents.

We value and promote diversity within our network; we are proud of our 57% board-level and 34% delegate-level female representation.

PARTNERSHIP
Working with the EYCN offers an unparalleled opportunity to reach an extensive and diverse community of motivated early-career chemists across Europe and the world.

Recognition. Our internationally-acknowledged competitions, awards, and grants reach far and wide. They create opportunities for the brightest young chemists to collaborate and excel on a global stage.

Removing barriers. Sponsorship through the EYCN is enabling. It facilitates collaboration, it supports the sharing of ideas, and it empowers individuals to be creative with science.

Careers. The EYCN and its partners work hard to connect promising young chemists with opportunities to develop and progress careers.

To discover and discuss tailored sponsorship opportunities with the EYCN, contact: chair@eycn.eu or secretary@eycn.eu

MEMBERSHIP
• Collaboration of 25 countries
• 28 European Member Societies
• 39 official delegates
• Representing, and supporting > 43,000 early career chemists across Europe

SOCIAL MEDIA
Active social media platforms targeted specifically at early career chemists (2018):
Facebook: 2,500 followers
Twitter: 1,000 followers
LinkedIn: 1,400 group members
and recently Instagram: ca. 200 followers

FLAGSHIP EVENTS
The EYCN organises the biannual Early Career Conference (ECC) and biannual European Young Chemists Symposium (EYCheM).
Active part of EuChemS

Attended meetings:
- Executive Board in Liverpool 06/2017 - Torsten
- General Assembly in Rome 09/2017 - Alice
- Executive Board in Berlin 02/2018 - Alice
- Executive Board in Bern 06/2018 - Jelena
- General Assembly in Liverpool 08/2018 - Alice

Member of the Editorial Board: Torsten John (Germany)

- 2017/3: Chemistry Rediscovered - Promoting chemistry and motivating high schools students
- 2018/1: Promoting chemistry to the public – Photochimica 2017
- 2018/2: Professional development for Younger Chemists at the ABCChem conference
EYCN @ ECC7 Room 12

Organizer & EYCN Advisor: Fernando GOMOLLÓN-BEL (Spain)

Future leaders – this sub theme is sponsored by ACS

The programme will feature keynote talks delivered by promising young chemists in Europe like ERC and MSCA grantees. Lectures will cover six different chemistry fields to try to be as inclusive as possible.

European Young Chemist Award

EYCN organises, in collaboration with the Società Chimica Italiana and Consiglio Nazionale dei Chimici, the European Young Chemist Award – EYCA. This awards recognises the best PhD students and Postdoc researchers in Europe. Lectures by the selected finalists will be open to the public.

Workshops

The EYCN symposium will have a series of workshops for early career chemists. Some of them will be designed to improve soft skills (paper writing, oral communication, problem solving, job interviews) and others will be specifically targeted towards grant proposals. Recent ERC and MSCA awardees will share their tips to compile a winning proposal for EU funding.

Social events

EYCN symposium will also have social events, some of them designed to foster networking between young chemists, established researchers, and chemical companies as well as other events in local pubs to share chemistry with the general public.

The *European Young Chemist Award* 2018 is intended to showcase and recognize the excellent research being carried out by young scientists working in the chemical sciences and it will be presented at the 7th EuCheMS Chemistry Congress in Liverpool.

**Award Organization:**
*Chair:* Bruno Pignataro (SCI)
*Advisory Board:* Federico Bella (SCI), Nausicaa Orlandi (Federazione Nazionale degli Ordini dei Chimici and Fisici), Alice Soldà (EYCN), Victor Mougel (EYCN), Magnus Johnson (EYCN)
*General Organization:* Camillo Sartorio (Italy)
Meet the EYCA finalists:
28th August 2018, Room 12, (11.00 – 13.00)

Thomas Bennett, University of Cambridge, GBR.
“MOF glasses: a new, 4th category of melt quenched glass”

Paolo Arosio, ETH Zurich, CHE
“Molecular mechanisms of protein self-assembly processes associated with functional biology”

Matteo Atzori, University of Florence, ITA
“A Two-Qubit Molecular Architecture for Electron-mediated Nuclear Quantum Simulation”

Sophie Carenco, Sorbonne Université, FRA
“Inside and Out Metal Nanoparticles: Core and Surface Governing Together the Catalytic Properties”

Pavel Mykhailiuk, National Taras Shevchenko University of Kyiv, UKR
“Synthesis of bicyclic amines for Drug Discovery”

Rafael Gramage-Doria, Institut des Sciences Chimiques de Rennes, ESP
“Transition Metal Catalysis: from Sustainable Transformations to Supramolecular Approaches”

Simone Fabiano, Linköping University, SWE
“Understanding the impact of polymer structure on the conductivity of n-doped polymers”

Alessandro Porchetta, University of Rome Tor Vergata, ITA
“Programmable nucleic acid nanoswitches for the rapid, single-step detection of antibodies in bodily fluids”
Meet the EYCA finalists:
28th August 2018, Room 12, (11.00 – 13.00)

**Matteo Mauro**, University of Strasbourg, FRA
"Metallo-supramolecular polymers as autonomously healable and contractile materials responsive to light"

**Erica Del Grosso**, University of Rome Tor Vergata, ITA
"Dissipative synthetic DNA-based receptors for the transient load and release of molecular cargo"

**Olga Guselnikova**, University of Chemical Technology Prague, CZE
"Plasmon-induced reaction: the new way for azide-alkyne cycloaddition"

**Lichen Liu**, Universitat Politècnica de València, ESP
"Evolution and Stabilization of Subnanometric Metal Clusters in Zeolites"

**Davide Ravelli**, University of Pavia, ITA
"Decatungstate photocatalyzed synthesis via selective Hydrogen Atom Transfer (HAT)"

**Clément Larquet**, Sorbonne Université, FRA
"Cerium and sulfur oxidation mechanisms in \((\text{Gd,Ce})_2\text{O}_2\text{S}\) nanoparticles through X-ray absorption and near-ambient pressure X-ray photoemission spectroscopies"

**Jessica Rodriguez Villar**, Universidad de Santiago de Compostela, ESP
"Synthetic systems in Chemical Biology: Supramolecular Control of Cell Internalization and Selective Recognition and Modification of DNA"

**Gabriele Pupo**, University of Oxford, GBR
"Asymmetric Nucleophilic Fluorination under Hydrogen Bonding Phase-Transfer Catalysis"

**Tim Gatzmeier**, Max-Planck-Institut für Kohlenforschung, DEU
"Activation of Challenging Substrates with Strong Chiral Lewis Acids"

**Torsten John**, Leibniz Institute of Surface Engineering, DEU
"Amyloid-like aggregation of the antimicrobial peptide uperin 3.5 and its selectivity towards membrane"
International Networks

American Chemical Society – Younger Chemists Committee (ACS-YCC)
- 01/2018: Atlantic Basin Conference (ABCChem) on Chemistry
- 08/2018: Active participation at the 7th EuCheMS Chemistry Congress and at the 256th ACS National Meeting & Exposition

International Younger Chemists Network (IYCN)
- 07/2017: Presentation at IUPAC World Chemistry Congress and General Assembly
- 2017-2018: Active collaboration in the Board of IYCN
- 2018-2019: Video Contest in collaboration with IUPAC
- 2019: Integration within IUPAC
International Project

8th Young Chemists Crossing Borders (YCCB) exchange

Connecting European & US Chemists

Young Chemists Crossing Borders
a transatlantic exchange program

Elena Lenci (IT)
Dušan Petrović (SE)
Alexandre Herve (FR)
Andra-Lisa Hoyt (DE)

Catherine Rawlins (MA)
Caitlyn Mills (MA)
Lori Ferrins (MA)
Michael McLaughlin (MA)

35 Applications
26 M - 9 F
19 PhD - 12 PostDoc - 4 Researchers
11 Countries
External Collaborations

https://www.mobilitymentoringportal.eu/en/

Mobility and Mentoring

Increasing the Employment of Young Workers in the European Chemical Industry

Mobility Mentoring Portal

About the Project

Project Partners

Conference 20 – 22 September Lisbon

EuChemS General Assembly – Liverpool (UK)
The European social partners of the chemical industry, industriAll European trade union and the European Chemical Employers Group (ECEG) manage activities for a two-year project cycle within their social partner project.

EU Social Partner Conference on Digitalisation in the chemical industry will take place in Tallinn, Estonia in October 2018.

Representatives of EYCN will attend this meeting (Alice, Victor, Sebastian).