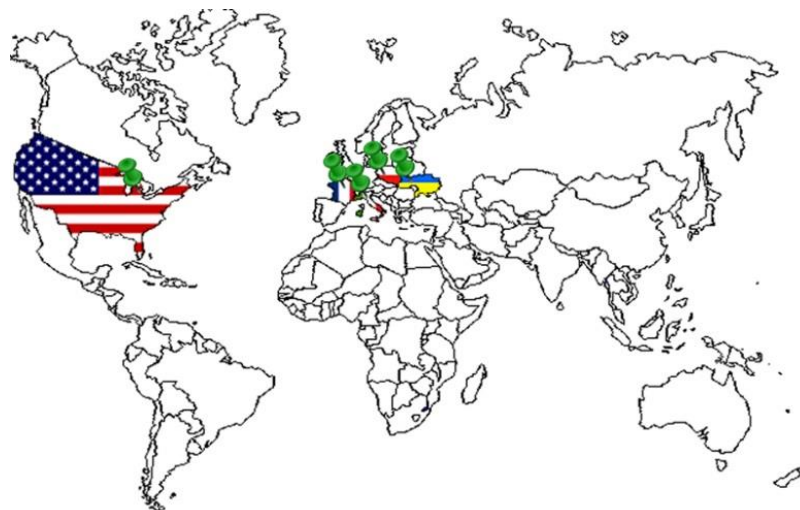


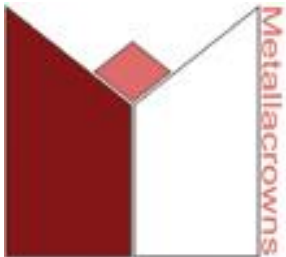
**Project n°:** PIRSES-GA-2013-611488

**Project Acronym:** METALLACROWNS

**Project Full Name:** Metallacrowns-based innovative materials and supramolecular devices

- Università degli Studi di Parma (IT)
- Uniwersytet Wrocławski (PL)
- Centre National de la Recherche Scientifique (FR)
- Université Paris-sud (FR)
- Uniwersytet Im. Adama Mickiewicza (PL)
- Taras Shevchenko National University of Kyiv (UA)
- University of Michigan (USA)





# Metallacrowns



Marie Curie IRSES - International Research Staff Exchange Scheme



## Secondments since the beginning of the project:

- *72 secondments*
- *15 ESR and 17 ER involved*
- *14 males and 18 females*
- *93 person/months*

## METALLACROWNS in numbers...

### Six (6) Work Packages

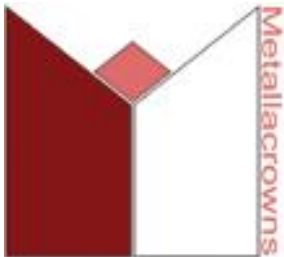
- 1 - Design and synthesis of metallacrowns*
- 2 - Physical methods for MC characterization*
- 3 - X ray structures and large MC assemblies*
- 4 - Metallacrowns as host, and cytotoxicity*
- 5 - Luminescent probes and surfaces*
- 6 - Magnetic MC-based materials*

### Budget

*EUR 194.300*

### Duration

*4 years*



# Metallacrowns



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## ***Training activities and conferences***

- ***Scientific training during secondments was given to seconded researchers by the hosting teams***
  - *Technical skills: use of apparatuses and techniques not available at their home institutions; laboratory good practice and safety; data treatment.*
  - *Soft skills: presentation of their results in english at group meetings at the hosting institutions; writing reports in english.*
- ***One session organized at an international conference***
  - *XIII International Symposium on Inorganic Biochemistry (Karpacz, Poland, Sept. 1-6, 2017)*
- ***One conference organized as the final meeting***
  - *1st International Symposium on Metallacrowns and Metallacryptates (Parma, Italy, Sept. 28-29, 2017).*

# Metallacrowns



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## **Dissemination:**

- *12 papers as joint publications on international, peer reviewed journals*
- *20 papers on Metallacrowns released by the individual research groups*
- *3 world-level patents*
- *Three Ph.D. dissertations since the beginning of the project*
- *96 participation to conferences (International and national)*
  - *31 invited lectures*
  - *39 oral communications*
  - *26 poster presentations*
- *23 Invited seminars at various research institutions around the world*
- *Dissemination to local cultural events (outreach activities) and press releases*
- *Involvement of students in research activities*

# A snapshot of the website

<https://sites.google.com/site/metallacrowns/>



## Metallacrowns

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Search this site

### Welcome

- The Project
- The Team
- Secondments
- Secondment Reports
- Meetings and Workshops
- Publications and Theses
- Pictures

# 1041

days since

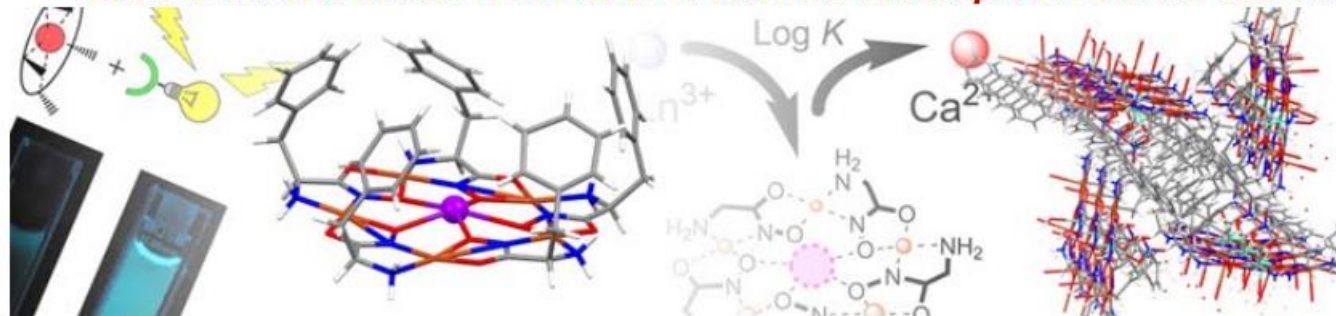
the beginning of the project

Join Our Discussion



## Welcome

### *Metallacrowns-based innovative materials and supramolecular devices*



This IRSES project has the objective to design innovative functional magnetic or fluorescent materials and probes based on metallacrown complexes.

The project involves six research groups from five countries (Italy, Poland, France, Ukraine and USA) with complementary expertises and the common aim to develop new metallacrown complexes with novel magnetic, photophysical and structural properties be used as tools in bio- or nanotechnological devices.

### Messages



#### Bilateral Italy-USA project on Metallacrowns for the years 2016-2017

The project is coordinated by **dr. Matteo Tegoni (UNiversity of Parma)** in collaboration with **Prof. Vincent L. Pecoraro (University of Michigan)**

Italy-US bilateral project entitled "Development of porous ..."

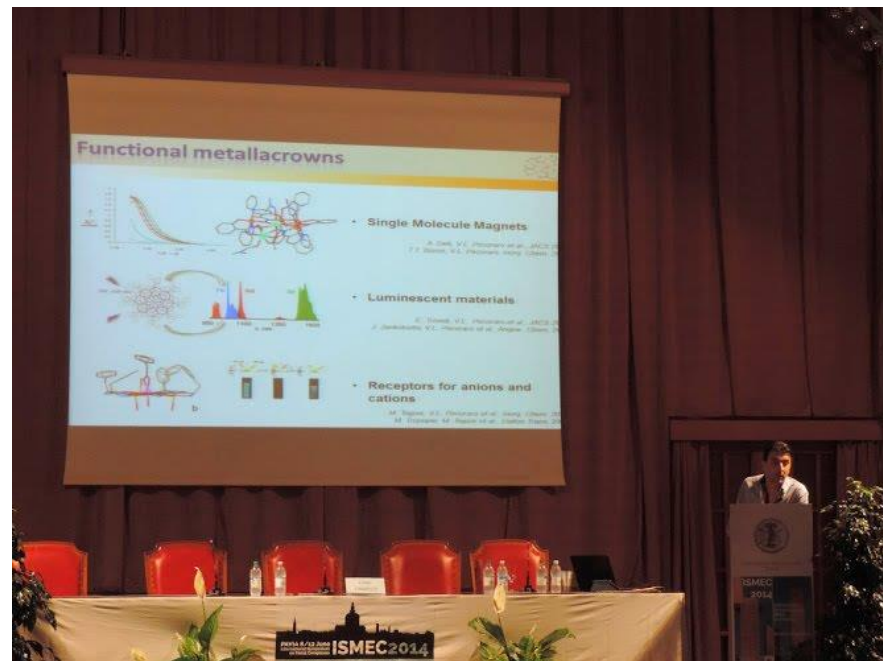
Posted Mar 28, 2016, 10:42 PM by Matteo Tegoni



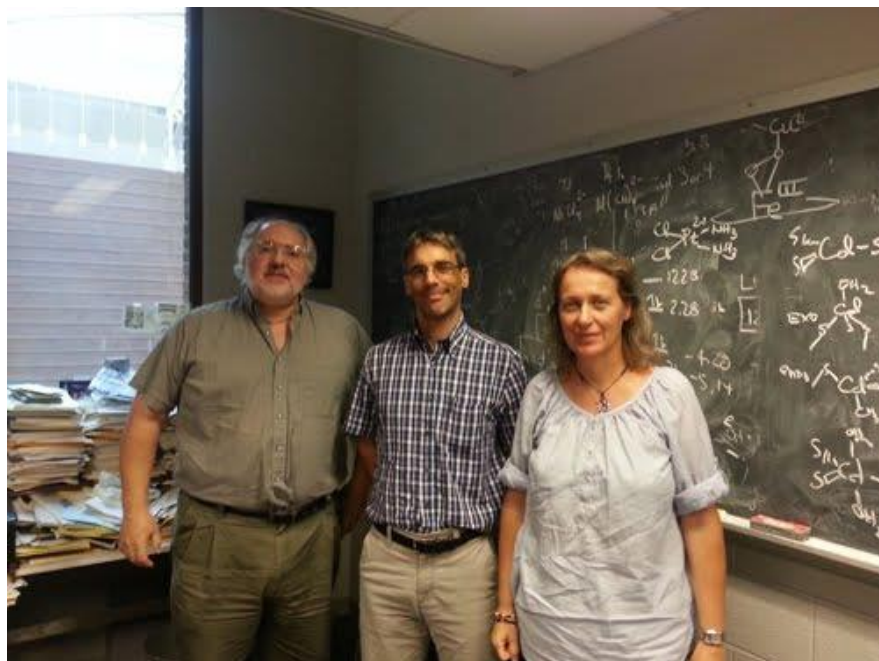
## A few pictures taken during secondments and meetings...



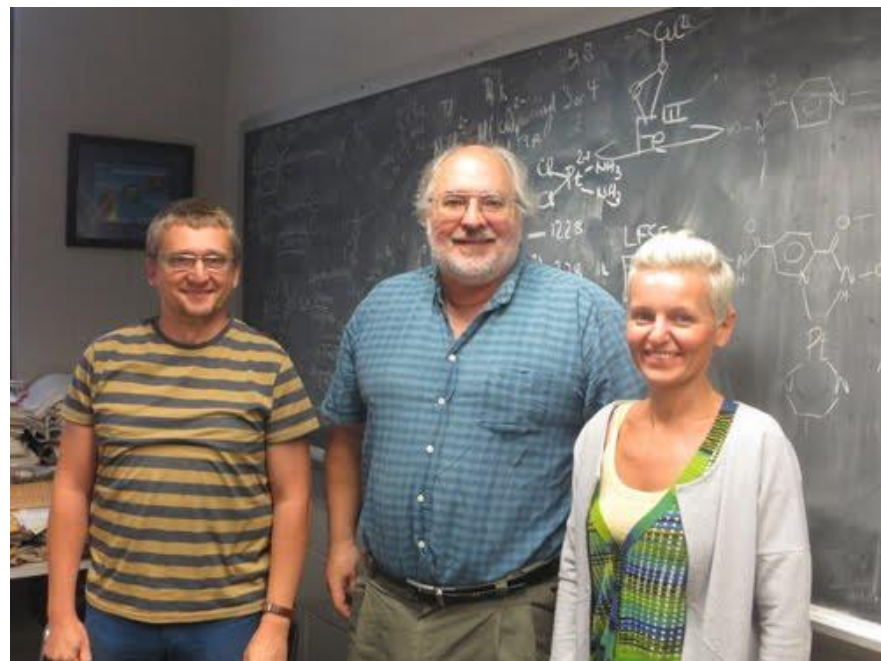
The poster on the activities of the IRSES project (ISMEC conference, Pavia, June 2014)



Dr. Matteo Tegoni (UNIPR) delivering his communication on metallacrowns (ISMEC conference, Pavia, June 2014)



**Prof. Vincent L. Pecoraro (UMICH), Dr. Luciano Marchiò (UNIPR) and Prof. Alessia Bacchi (UNIPR) at the University of Michigan, Ann Arbor (USA), August 2014**



**Dr. Marek Luczkowski (UWR), Prof. Vincent L. Pecoraro (UMICH) and Dr. Elzbieta Gumienna-Kontecka (UWR) at the University of Michigan, Ann Arbor (USA), July 2014**





**Dr. Matteo Tegoni** (UNIPR) and **Dr. Anna Pavlishchuk** (TSNUK) in front of the Chemistry Building at the University of Parma (Italy), July 2014

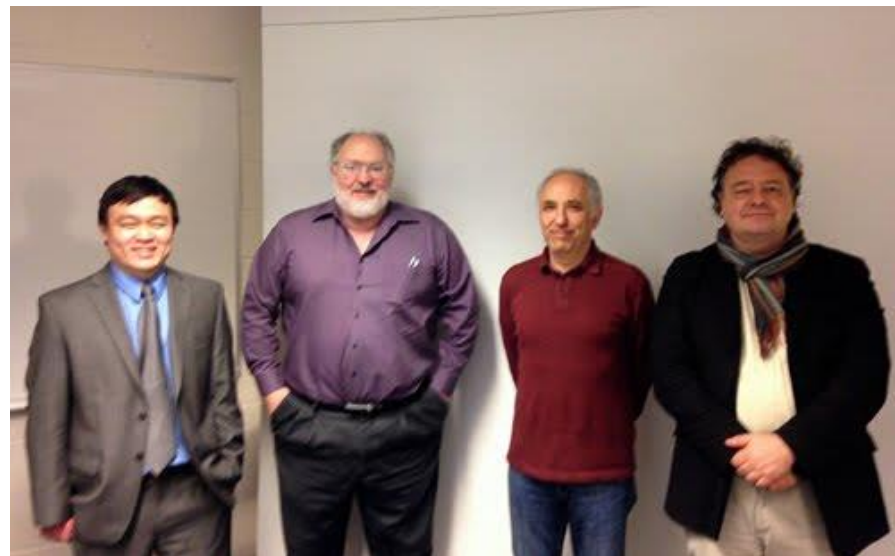


**Jefferson Plegaria** (UMICH), **Dr. Corrado Atzeri** (UNIPR) and **Dr. Manuela Bersellini** (Former UNIPR, now at Univ. of Groeningen) at the ACS Fall Conference venue in San Francisco, August 2014





Group picture of the IRSES "Metallacrowns" researchers attending the XIII International Symposium on Inorganic Biochemistry in Karpacz, 2015. Back row, from left: **Dr. Svetlana Eliseeva (CNRS)**, **Prof. Stephane Petoud (CNRS)**, **Prof. Talal Mallah (PSUD)**, **Mrs. Malgorzata Ostrowska (UWR)**, **Prof. Vincent Pecoraro (UMICH)**. Front row, from left: **Prof. Igor Fritsky (TSNUK)**, **Dr. Matteo Tegoni (UNIPR)**, **Dr. Elzbieta Gumienna-Kontecka (UWR)**, **Dr. Corrado Atzeri (UMICH)**.



Pictures taken at **Dr. David (Chun) Chow Ph.D.** defense at UMICH in april 2015. Above: **Dr. David Chow**, **Prof. Vincent Pecoraro (UMICH)**, **Prof. Talal Mallah (PSUD)**, **Prof. Stephane Petoud (CNRS)**.



**Prof. Vincent Pecoraro** trying to get the "lost" microphone from **Dr. Matteo Tegoni (UNIPR)** at the XIII International Symposium on Inorganic Biochemistry in Karpacz, 2015.



**Prof. Vincent Pecoraro (UMICH)**, **Prof. Stephane Petoud (CNRS)**, and **Prof. Igor Fritsky (TSNUK)** at the XIII International Symposium on Inorganic Biochemistry in Karpacz, 2015.



**Prof. Vincent Pecoraro** (UMICH) awarded with the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry, assigned by the American Chemical Society in San Diego on Tuesday, March 15, 2016.



A picture taken at the informal party of friends and collaborators that took place after the award ceremony of **Prof. Pecoraro**. The metall-people in the picture are **Dr. Svetlana Eliseeva (CNRS)**, **Prof. Neil Law (St. Lawrence Univ, USA)**, **Prof. Gellert Mezei (Western Michigan Univ., USA)**, **Prof. Evan Trivedi (Oakland Univ., USA)**, **Prof. Stephane Petoud (CNRS)**.

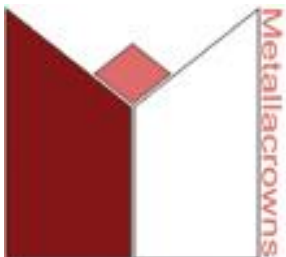




**Dr. Matteo Tegoni (UNIPR)** and **Prof. Vincent Pecoraro (UMICH)** discussing at the ICCC conference in Brest (France), July 2016. Not sure the batteries will last until the long brainstorming.

After the session at the 1st International Symposium on Metallacrowns and Metallacryptates, a dinner with **Vincent Pecoraro (UMICH)**, **Stephane Petoud (CNRS)**, **Svetlana Eliseeva (CNRS)** and **Talal Mallah (PSUD)** in Parma (Italy, September 2017).





# Metallacrowns



Marie Curie IRSES - International Research Staff Exchange Scheme

## *Project Scientist*



**Dr. Matteo Tegoni, Ph.D.**  
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Department of Chemistry, Life Science, and  
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