



## Welcome Address

*Dear Colleagues,*

*I would like to invite all of you to the VIII European Congress of Protistology, organized by the Federation of European Societies of Protistology, jointed to the annual meeting of the International Society of Protistologists.*

*This Congress is organized by the FEPS General Secretary and local protistological Society, each four years. So, on behalf of the Italian Society of Protistology (SIPonlus), I have to announce the VIII ECOP edition, that is held in ROME, ITALY  
It's a pleasure to reveal you that we have received a high interest to the participation and an enthusiastic contribute to arrange the meeting by all members of our scientific communities.*

*About 450 attenders are waited in Rome for this event and more than a third of them are student, coming from 28 Countries of the European area and 19 from Countries outside Europe. More than 380 abstracts have been received for Lectures, Symposia, Workshops, Oral and Poster Sessions, inclusive of very different topics, especially the most basic ones, as Taxonomy and Phylogeny, Genomics and Transcriptomic, Molecular and Cell Biology, but even the specific ones as Waterbone parasites, Symbiosis, Microbiome and many others.*

*Symposia and Workshops coordinators have express high interest and willingness to drive a very interactive organization of the sessions where much importance is given to discussion and many speakers participation. Notable the interest also dealing with the protistological science dissemination and the proposals for the young people career.*

*We hope you'll enjoy the scientific organization of this meeting that hopefully may bring a broad contribution to project ideas exchange of and profitable collaborations especially for younger members of our scientific community.*

*I personally wish good job everyone and a pleasant stay in our very interesting city.*

**Maria Cristina Angelici**  
*Chair of the VIII ECOP\_ ISoP joint meeting  
Rome, Italy, 2019*



## Organizing Committee

**Maria Cristina Angelici** (Chair) (*Istituto Superiore di Sanità, Rome, Italy*)  
**Marina Gramiccia** (*Istituto Superiore di Sanità, Rome, Italy*)  
**Cristina Miceli** (*University of Camerino, Italy*)  
**Anush Kosakyan** (*Czech Academy of Sciences, Ceske Budejovic, Czech Republic*)  
**Federico Buonanno** (*University of Macerata, Italy*)  
**Adriana Vallesi** (*University of Camerino, Italy*)  
**Graziano Di Giuseppe** (*University of Pisa, Italy*)  
**Sandra Pucciarelli** (*University of Camerino, Italy*)  
**Gianfranco Santovito** (*University of Padova, Italy*)  
**Claudia Vannini** (*University of Pisa, Italy*)

## FEPS/ISOP Joined Committee

**Avelina Espinosa** (*Roger Williams University, Bristol, RI, USA*)  
(*ISoP, Chair Program Committee*)  
**Chris Lane** (*University of Rhode Island, Kingston, RI, USA*)  
(*ISoP, President Elect*)  
**John Dolan** (*Zoological Station, Villefranche-sur-Mer, France*)  
(*ISoP, Past President*)  
**Thomas Weisse** (*University of Innsbruck, Austria*)  
(*FEPS, Editor of the European Journal of Protistology*)  
**Aurelio Serrano** (*CSIC-Universidad de Sevilla, Spain*)  
(*FEPS, Past General Secretary*)  
**Maria Cristina Angelici** (*Istituto Superiore di Sanità, Rome, Italy*)  
(*FEPS General Secretary*)

## Scientific Committee

**Cristina Miceli** (*University of Camerino, Italy*)  
**Ana Maria Martin Gonzalez** (*Universidad Complutense, Madrid, Spain*)  
**Alan Warren** (*Natural History Museum, London, UK*)  
**Vladimir Hampl** (*Charles University, Prague, Czech Republic*)  
**Piero Luporini** (*University of Camerino, Italy*)  
**Franco Verni** (**University of Pisa, Italy**)  
**Julia Walochnik** (*Medical University of Vienna, Austria*)  
**Luigi Gradoni** (*Istituto Superiore di Sanità, Rome, Italy*)  
**David Bass** (**CEFAS, Weymouth, UK**)  
**Yuri Mazei** (*Lomonosov Moscow State University, Moscow, Russia*)  
**Ester Piccinni** (*University of Padova, Italy*)  
**Eduardo Villalobo** (*CSIC-Universidad de Sevilla, Spain*)  
**Giulio Petroni** (*University of Pisa, Italy*)  
**Ivan Cepicka** (*Charles University, Prague, Czech Republic*)  
**Sergei Fokin** (*University of Pisa, Italy*)  
**Jackie Parry** (*Lancaster University, UK*)  
**Sergei O. Skarlato** (*Russian Academy of Science, St. Petersburg, Russia*)  
**Renate Radek** (*Freie Universität Berlin, Berlin, Germany*)  
**Panagiotis Karanis** (*University of Cologne, Cologne, Germany*)  
**Francesco Catania** (*University of Münster, Münster, Germany*)  
**Anna Karnowska** (*University of Warsaw, Warsaw, Poland*)  
**Sabine Agatha** (*University of Salzburg, Salzburg, Austria*)  
**Gad Baneth** (*Hebrew University, Rehovot, Israel*)  
**Maria Cristina Angelici** (*Istituto Superiore di Sanità, Rome, Italy*)



# VIII ECOP-ISOP JOINT MEETING 2019 28 JULY - 02 AUGUST - ROME ITALY

## SUNDAY 28 JULY

### AUDITORIUM FORI IMPERIALI

14:00/20:00 **Registration** (Lobby)  
18:00/20:00 **Welcome Cocktail** (pool garden space)

### FORO CLAUDIA

15:00/18:00 **ISOP\_EC meeting**

## MONDAY 29 JULY

### AUDITORIUM FORI IMPERIALI

08:30/09:00 **OPENING**  
09:00/10:00 **PLENARY LECTURE** ISoP Honorary Member (by ISoP)  
**Tom Fenchel** *Size, Shape and Function among Protozoa*  
10:00/10:30 **Coffee break**  
10:30/12:30 **SYMPOSIUM** on Ciliate in memory of Denis Lynn (by FEPS & ISoP)  
12:30/13:30 **Lunch**

### FORO ADRIANO

13:30/15:45 **Oral Session**  
**ECOLOGY & BIOGEOGRAPHY 1**

### FORO TRAIANO

**Oral Session**  
**DIVERSITY & SPECIATION 1**

### FORO COSTANTINO

**SYMPOSIUM** (by FEPS)  
Protist diversity and function in the dark ocean - challenging the paradigms of deep-sea ecology

### FORO AURELIA

**Oral Session**  
**TAXONOMY & PHYLOGENY 1**

15:45/16:00 **Coffee break**

16:00/18:00 **Oral Session**  
**ECOLOGY & BIOGEOGRAPHY 2**

**Oral Session**  
**DIVERSITY & SPECIATION 2**

**SYMPOSIUM** (by FEPS)  
From genomics to flagellar and ciliary structures and cytoskeleton dynamics

**Oral Session**  
**PARASITISM 1**

18:00/19:00 **Poster Session 1**

19:00/20:00 **ISoP Meeting**



**TUESDAY 30 JULY**

**AUDITORIUM FORI IMPERIALI**

09:00/10:00 **PLENARY LECTURE** ISoP Past-President (by ISoP)  
**David Bass**  
*Micro-eukaryotes in animal and plant microbiomes: ecologies of disease?*

10:00/10:30 *Coffee break*

10:30/12:30 **SYMPOSIUM ISOP ADVANCES** (by ISoP)  
 Ten years of metabarcoding: what have we learned and how do we move forward?

12:30/13:30 *Lunch*

	<b>FORO ADRIANO</b>	<b>FORO TRAIANO</b>	<b>FORO COSTANTINO</b>	<b>FORO AURELIA</b>
13:30/15:30	<b>Oral Session METABARCODING</b>	<b>Oral Session RESPONSE TO ENVIRONMENTAL STRESS</b>	<b>SYMPOSIUM</b> (by ISoP) All Roads Lead to Rome: Comparing Molecular and Cellular Paths to Euka- ryotic Multicellularity	<b>Oral Session PARASITISM 1</b>
15:30/16:00	<i>Coffe break</i>			
16:00/17:30	<b>Oral Session ECOLOGY &amp; BIOGEOGRAPHY 3</b>	<b>Oral Session GENOMIC &amp; TRANSCRIPTOMIC 1</b>	<b>SYMPOSIUM ISOP ADVANCE</b> (by ISoP/Moore Foundation) Applications of Genetic Tools for Ad- vancing Research on Marine Protists	<b>Oral Session TAXONOMY &amp; PHYLOGENY 2</b>
17:30/19:00	<b>Oral Session PROTIST AS MODEL &amp; BIOINDICATORS</b>	<b>Oral Session MOLECULAR &amp; CELL BIOLOGY 1</b>		<b>Oral Session TAXONOMY &amp; PHYLOGENY 3</b>
				19:00/20:00 <b>FEEPS meeting</b>



WEDNESDAY 31 JULY

**AUDITORIUM FORI IMPERIALI**

09:00/10:00 **PLENARY LECTURE** (by FEPS)  
**Sergey Skarlato**  
*Adaptation Strategies of the Invasive Bloom-Forming Dinoflagellates in Brackish Waters*

10:00/10:30 **Coffee break**

10:30/12:30 **SYMPOSIUM** (by FEPS)  
Free-living amoeba and neglected pathogen protozoa: health emergency signals?

12:30/13:30 **Lunch**

**FORO ADRIANO**

13:30/15:30 **SYMPOSIUM** (by FEPS)  
Host-Parasite Interactions in Vector-borne Protozoan Infections

**FORO TRAIANO**

**Oral Session**  
**MOLECULAR & CELL BIOLOGY 2**

**FORO COSTANTINO**

**SYMPOSIUM** (by FEPS)  
Waterborne infections of protozoan origin: how much do we really know?

**FORO AURELIA**

**Oral Session**  
**GENOMIC & TRANSCRIPTOMIC 2**

16:00/23:00 **Historical Promenade & Social Dinner**  
**16.00 Departure by private bus from the Congress venue -23.00 Departure by private bus to the Congress venue.**



THURSDAY 01 AUGUST

**AUDITORIUM FORI IMPERIALI**

09:00/10:00 **PLENARY LECTURE** (by FEPS)

**Sergey Fokin**

*Prof. H.-D. Goertz and his contribution to our knowledge of protozoan symbiosis*

10:00/10:30 **Coffee break**

10:30/12:30 **SYMPOSIUM** (by FEPS)

Symbiosis in Ciliates: H.-D. Görtz And His Legacy

12:30/13:30 **Lunch**

**FORO ADRIANO**

13:30/15:45 **Oral Session**  
**TAXONOMY & PHYLOGENY 4**

**FORO TRAIANO**

**WORKSHOP** (by FEPS)  
(by SIP/ISOP Grant-in-aid)  
Protistological Sciences dissemination  
Chair

**FORO COSTANTINO**

**SYMPOSIUM** (by ISoP)  
Mixotrophic Planktonic Protists: Li-  
ving with the "Perfect Beast"

**FORO AURELIA**

**Oral Session**  
**SYMBIOSIS & ENDOSYMBIOSIS**

15:45/16:00 **Coffee break**

16:00/18:00 **Oral Session**  
**MICROBIOME**

**Oral Session**  
**TAXONOMY & PHYLOGENY 5**

**Oral Session**  
**SYMPOSIUM** (by FEPS)  
Bioactive molecules from protists:  
perspectives in Biotechnology

**WORKSHOP** (by FEPS)  
Carrers for young scientists

18:00/19:00 **Poster session 2**

19:00/20:00 **SIP meeting**



**FRIDAY 02 AUGUST**

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**AUDITORIUM FORI IMPERIALI**

09:00/10:00 **PLENARY LECTURE** Hunter Award Winner 2019 (by ISoP)

**Micah Dunthorn**  
Equating OTUs with Species Diversity

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10:00/10:30 *Coffee break*

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10:30/12:30 **SYMPOSIUM** (by FEPS)  
*Systematics of amoeboid protists*

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12:30/13:30 **Students Awards & CLOSING REMARKS** - Chair **David Montagnes** - **Maria Cristina Angelici**

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