

1998-2008



10
YEARS

Italian Association of Developmental and Comparative Immunobiology



IX MEETING
27th-29th February 2008
Varese

PROGRAM and ABSTRACT BOOK



ISJ - Invertebrate Survival Journal

Organizers:

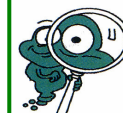
Magda de Eguileor, University of Insubria

Annalisa Grimaldi, University of Insubria

Enzo Ottaviani, University of Modena and Reggio Emilia

Gianluca Tettamanti, University of Insubria

Roberto Valvassori, University of Insubria



Tronconi Strumentazione s.a.s.
di Canti Michela & C.
Microscopia, Strumentazione scientifica
e Materiale di consumo da Laboratorio



**Società Italiana di Immunobiologia Comparata
e dello Sviluppo
IX Incontro Scientifico
Dipartimenti di Biologia, via J.H. Dunant 3 Varese**

Italian Association of Developmental and Comparative Immunobiology
IX meeting

PROGRAM

27th February 2008

13.00-15.00 Registration

15.00 Welcome address

Session I:

Chair-**Matteo Cammarata** (University of Palermo)

Plenary Lecture

15.30 **Loriano Ballarin** (University of Padova)
The immune system of compound ascidians

Communications

16.00 **Francesca Cima** (University of Padova)
Further insights on siphonal guard cells of ascidians

16.15 **Adams Menin**, Luca Comini, Loriano Ballarin (University of Padova)
Apoptosis signalling pathways in the compound ascidian *Botryllus schlosseri* during the colonial blastogenetic cycle

16.30 **Nicola Franchi**, Fabio Gasparini, Barbara Spolaore, Loriano Ballarin (University of Padova)
A novel rhamnose-binding lectin from the colonial ascidian *Botryllus schlosseri*.

16.45 Coffee Break

17.30 **Nicolò Parrinello**, Aiti Vizzini, Vincenzo Arizza, Matteo Cammarata, Daniela Parrinello, Francesca Giaramita, Giuseppina Salerno, Margherita Pergolizzi, Maria Antonietta Sanfratello, Mirella Vazzana (University of Palermo)
Enhanced expression of a *Cin*TNF gene in the LPS challenged inflammatory responses of the ascidian *Ciona intestinalis*.

17.45 **Vincenzo Arizza**, Daniela Parrinello, Francesca Giaramita, Aiti Vizzini, Matteo Cammarata, Mirella Vazzana, Nicolò Parrinello. (University of Palermo)
Sphingomyelin as well as carbohydrates are involved in the mechanism of cytotoxic molecules contained and released *in vitro* by *Ciona intestinalis* granulocytes

28th February 2008

Session II:

Chair-**Luigi Abelli** (University of Ferrara)

Plenary Lecture

- 9.00** *Jacopo Vizioli*, Pierre-Eric Sautière, Christophe Lefebvre, Françoise Croq, Muriel Tahtouh, Michel Salzet and Joël Pestel (Université de Lille 1, France)
Leech neuroimmunity: a crossing point between injury and nerve repair.

Communications

- 9.30** *Annalisa Grimaldi*, Gianluca Tettamanti, Serena Banfi, Roberto Valvassori, Magda deEguileor (University of Insubria)
Leech hematopoietic cells involved in muscle regeneration
- 9.45** *Adriana Vallesi*, Barbara Di Pretoro, Pierangelo Luporini (University of Camerino)
Self/non-self recognition in the ciliate *Euplotes raikovi*: characterization of Er-MAPK1, a downstream component of the autocrine signal transduction pathway.
- 10.00** *Valerio Matozzo*, Maria Gabriella Marin (University of Padova)
Old and new immunomarkers to assess health status of clams (*Tapes philippinarum*) from the Lagoon of Venice.
- 10.15** *Francesco Drago* (University of Catania)
A new hemoagglutinin from the coelomic fluid of the sea urchin *Paracentrotus lividus* (Lamarck, 1816) (Echinodermata).

10.30 Coffee Break

Session III:

Chair-**Roberto Valvassori** (University of Insubria, Varese)

Plenary Lecture

- 11.00** *Francesco Pennacchio* (University "Federico II" of Napoli)
Immunosuppression and host regulation by parasitic Hymenoptera

Communications

- 11.30** *Davide Malagoli*, Enzo Ottaviani (University of Modena and Reggio Emilia)
hrIL-8 stimulates unpaired (upd)-3 expression and other immune-related activities in *Drosophila melanogaster* SL2 cell line
- 11.45** *Alex Pellegrini*, Silke Jantra, Francesca Ietta, Nicoletta Bechi, Elisa Bigliardi, Luana Paulesu (University of Siena)
IL-1 system in reproduction of invertebrates
- 12.00** *Caterina Ciacci*, Michele Betti, Philippe Roch, Laura Canesi (University of Urbino)
Differential responses of mussel hemocytes to bacterial challenge.
- 12.15** *Patrizia Pagliara*, Philippe Roch (University of Salento, Lecce)
Morphological changes of *Mytilus galloprovincialis* hemocytes after bacterial interaction

12.30 Lunch

Session IV:

Chair-*Umberto Oreste* (CNR, Napoli)

Plenary Lecture

15.30 *Giuseppe Scapigliati*, Elisa Randelli, Daniela Casani, Francesco Buonocore
(University of Tuscia, Viterbo)

Immune defences and interactions with the environment.

Communications

16.00 *Laura Guerra*, Francesco Buonocore, Elisa Randelli, Anna Maria Fausto, Luigi Abelli, Simona Picchiatti (University of Tuscia, Viterbo)

Thymocyte decisions in sea bass, *Dicentrarchus labrax*: CD4 or CD8? Gene expression profiling and in situ hybridisation studies.

16.15 *Simona Picchiatti*, Laura Guerra, Elisa Randelli, Fabrizio Bertoni, Anna Maria Fausto, Francesco Buonocore, Luigi Abelli (University of Tuscia, Viterbo)

Gene expression and functional studies on gut immune system of the sea bass, *Dicentrarchus labrax*.

16.30 Coffee Break

17.00 *Luigi Abelli*, Simona Picchiatti, Elisa Randelli, Oliana Carnevali (University of Ferrara)

Early administration of probiotic strains stimulates the gut immune system of the marine teleosts *Dicentrarchus labrax* and *Sparus aurata*

17.15 *Elisa Randelli*, Francesco Buonocore, Daniela Casani, Susan Costantini, Angelo M. Facchiano, Jun J. Zou, Chris J. Secombes, Giuseppe Scapigliati (University of Tuscia, Viterbo)

A CD4 homologue in sea bass (*Dicentrarchus labrax*): molecular characterisation and structural considerations

17.30 Aiti Vizzini, Mirella Vazzana, *Giuseppina Salerno*, Monica Celi, Maria Antonietta Sanfratello, Nicolò Parrinello (University of Palermo)

Effects of exogenous cortisol on the expression of glucocorticoid receptor (DIGR1) and Hsp70 in head-kidney and peritoneal cavity cells from *Dicentrarchus labrax*

20.00 Social Dinner

29th February 2008

Session V:

Chair-*Nicolò Parrinello* (University of Palermo)

Plenary Lecture

- 9.00** *Stefano Salvioli*, Paolo Tieri, Gastone Castellani, Miriam Capri, Cristiana Barbi, Aurelia Santoro, Serena Altilia, Laura Invidia, Michela Pierini, Elena Bellavista, Daniela Monti, Claudio Franceschi (University of Bologna)
Longevity genes across species: conservation versus evolvability.

Communications

- 9.30** *Enrica Capelli*, Simona Panelli, Giuseppe Damiani (University of Pavia)
Conserved sequence motifs shared by untranslated regions of mRNA upregulated in human lymphocytes following activation.
- 9.45** *Mariangela Aita*, Elisabetta Caccia, Nicla Romano (University La Sapienza, Roma)
Thymus development is influenced by hypophyseal and thymic allograft after hypophysectomy: expression of PCNA and CD3 markers
- 10.00** *Matteo Cammarata*, Maria Grazia Parisi, Gigliola Benenati, Valentina Mangano, Aiti Vizzini, Giuseppina Salerno, Daniela Parrinello, Mirella Vazzana, Nicolò Parrinello (University of Palermo)
Comparative analysis of fucose binding lectins Isolated and characterized from different teleost species, and distribution of a F-Lectin during *Dicentrarchus labrax* ontogenesis.
- 10.15** Coffee break
- 10.45** *Daniela Casani*, Francesco Buonocore, Elisa Randelli, Viviana Scala, Jun Zou, Christopher J. Secombes, Giuseppe Scapigliati (University of Tuscia, Viterbo)
Cloning and expression analyses of an interferon (IFN) in sea bass (*Dicentrarchus labrax*) after Poly I:C induction.
- 11.00** *Umberto Oreste*, Sonia Varriale, Maria Rosaria Coscia (CNR, Napoli)
Phylogenetic analysis of teleost light chain immunoglobulin
- 11.15** *Elisabetta Caccia*, Gerardo Vasta, Anna Grazia Ficca, Patricia Strickler and Nicla Romano (University of Tuscia, Viterbo)
Screening for antimicrobial peptides in zebrafish (*Danio rerio*)
- 11.30** *Laura Varotto*, Alberto Pallavicini, Filippo Bernante, Stefania Domeneghetti, Stefano Cagnin, Gerolamo Lanfranchi, Paola Venier (University of Padova)
Experimental evidences from EST sequencing and gene expression profiling in *Mytilus galloprovincialis*
- 11.45** *Enzo Ottaviani* (SIICS President)
Concluding remarks
- 12.30** Lunch
- 14.30** Assemblea dei soci