



ANNUAL MEETING OF THE PhD PROGRAMME “BIOMEDICAL SCIENCES AND TECHNOLOGIES” (STB)

November 16th - 17st, 2017

Lecture hall 1, Department of Science, Viale G. Marconi 446, Rome

November 16th, 2017

8:45 - 9:00 Welcome and opening remarks of the Director of the PhD Programme Prof. Paolo Visca

XXX PhD Programme STB (20 min presentation; 5 min discussion)

Biochemistry, Cell Physiology, and Immunology Session

Chairs: Prof. Marino, Prof. Ascenzi

9:00 - 9:25 PENNISI ROSA

“Exploring DNA repair pathways as targets for cancer therapy” (tutors DI MASI-HELLEDAY)

9:25 - 9:50 CARTOCCI VERONICA

“Cholesterol metabolism in Autism Spectrum Disorders” (tutors PALLOTTINI-SEGATTO)

9:50 - 10:15 CIPOLLETTI MANUELA

“Estrogen/neuroglobin pathway as pharmacological target for hormone-related cancer” (tutors MARINO-FIOCCHETTI)

10:15 - 10:40 LUCARINI VALERIA

“Dissecting Interleukin-33/ST2-dependent pathway in antitumor immune response to melanoma” (tutors AFFABRIS-SCHIAVONI)

10:40 - 11:05 MANFREDI FRANCESCO

“Immunogen design and delivery: a new method based on exosomes” (tutors AFFABRIS-FEDERICO)

11:05 - 11:25 Coffee Break

Microbiology and Biotechnology Session

Chairs: Prof. Affabris, Prof. Visca

11:25 - 11:50 GIALLONARDI GIULIA

“Quorum sensing in *Pseudomonas aeruginosa* isolates from cystic fibrosis patients” (tutor LEONI)

11:50 - 12:15 D'ANGELO FRANCESCA

“Biotechnological exploitation of bacterial communication processes: from quorum sensing inhibition to the generation of synthetic cells interfacing with natural cells” (tutor RAMPIONI)

12:15 - 12:40 RUNCI FEDERICA

“Genetic and functional basis of new antimicrobial approaches targeting *Acinetobacter baumannii* iron metabolism” (tutor VISCA)

12:40 - 13:05 GIGLIUCCI FEDERICA

“Shiga-toxin-producing *Escherichia coli* (STEC): Evolution of the different pathogenic clones and study of their interactions with the microbiota in the intestine and the environment” (tutors VISCA-MORABITO)

13:05 - 14:05 Lunch



14:05 - 14:30 MONTEIRO RICARDO

“Proteomic identification of novel adhesins in enterohaemorrhagic *E. coli* O157:H7 in a strategy for preventing intestinal colonisation” (tutors VISCA-DESVAUX-PEZZICOLI)

14:30 - 14:55 SAGRESTANI GIULIA

“Immunological characterization of novel adjuvants for generation of vaccines against pathogenic *Escherichia coli* strains” (tutors AFFABRIS-BUONSANTI-DESVAUX-GOBERT)

14:55 - 15:20 OLDRINI DAVIDE

“Well defined glycoconjugates via chemo-enzymatic synthesis of oligosaccharides” (tutors BATTOCCHIO-ADAMO)

15:20 - 15:45 STALIO OTTAVIA

“New applications of the Micro Biological Survey Method (MBS)” (tutor ANTONINI)

15:45 - 16:05 Coffee Break

XXXI PhD Programme STB (12 min presentation; 3 min discussion)

Biochemistry, Cell Physiology and Pharmacology Session

Chairs: Prof. Pallottini, Prof. Polticelli

16:05 - 16:20 BRANDI VALENTINA

“Study of the ordered and disordered domains of Huntingtin” (tutor POLTICELLI)

16:20 - 16:35 TORTOSA VALENTINA

“Structure-function relationships in members of the Major Facilitator Superfamily Transporters” (tutor POLTICELLI)

16:35 - 16:50 DE SIMONE GIOVANNA

“Structural and functional properties of non-canonical heme-proteins” (tutor ASCENZI)

16:50 - 17:05 SAGGESE PASQUALE

“Role of non-coding RNAs in breast cancer and other tumors” (tutors ACCONCIA-WEISZ)

17:05 - 17:20 SELLITTO ASSUNTA

“piRNAs: emerging biomarkers for diagnosis and prognosis” (tutors ACCONCIA-WEISZ)

17:20 - 17:35 BUSONERO CLAUDIA

“Selective modulation of the estrogen receptor alpha levels and degradation in the breast cancer” (tutor ACCONCIA)

17:35 - 17:50 MELANCIA FRANCESCA

“Preclinical studies on novel pharmacological targets for autism spectrum disorders” (tutor TREZZA)

Microbiology and Biotechnology Session

Chairs: Prof. Battocchio, Prof. Leoni

17:50 - 18:05 HIJAZI SARAH

“Virulence determinants in *Pseudomonas aeruginosa* for the development of antibacterial agents” (tutors VISCA-FRANGIPANI)

18:05 - 18:20 DE SABATO LUCA

“Novel approaches to investigate zoonotic infectious agents in animal reservoirs, food and the environment” (tutors AFFABRIS-DI BARTOLO-VACCARI)

18:20 - 18:35 SECCHI VALERIA

“Smart biomaterials for regenerative medicine: structural and biological properties” (tutor BATTOCCHIO)



November 17th, 2017

XXXII PhD Programme STB (10 min presentation; 2 min discussion)

Biochemistry, Cell Physiology and Pharmacology Session

Chairs: Prof. Incerpi, Dr. Trezza

9:30 - 9:42 VIRDIA ILARIA

"Dissecting the contribution of p53-mitotic centrosomal localization in spindle pole integrity" (tutors AFFABRIS-SODDU)

9:42 - 9:54 DI SEGNI MICOL

"HIPK2 as a prognostic biomarker in colorectal cancer" (tutors AFFABRIS-SODDU)

9:54 - 10:06 GIONFRA FABIO

"Extra-nuclear effects of thyroid hormones and their analogues in different cell types " (tutor INCERPI)

10:06 - 10:18 SCHIAVI SARA

"Role of the endocannabinoid system in preclinical models of neurodevelopmental disorders" (tutor TREZZA)

Microbiology and Biotechnology Session

Chairs: Prof. Antonini, Dr. Rampioni

10:18 - 10:30 AIELLO ALESSANDRA

"The HIV-1 viral protein Nef and the Type I Interferon production in human macrophages and plasmacytoid dendritic cells " (tutor AFFABRIS)

10:30 - 10:42 BALDELLI VALERIO

"Development of high-throughput screening systems for the identification of anti-virulence compounds active against bacterial pathogens" (tutor RAMPIONI)

10:42 - 10:54 MURGIA LORENZA

"Development of a new medical device for the diagnosis and management of Urinary Tract Infections (UTIs)" (tutor ANTONINI)

10:54 - 11:14 Coffee Break

XXXIII PhD Programme STB (5 min presentation; 3 min discussion)

Chairs: Dr. di Masi, Dr. Gasperi, Prof. Acconcia

11:14 - 11:22 FERNÁNDEZ VIRGINIA

11:22 - 11:30 FORTUNA ALESSANDRA

11:30 - 11:38 GIANESSI FLAVIA

11:38 - 11:46 MACARI GABRIELE

11:46 - 11:54 MELLINI MARTA

11:54 - 12:02 MONTALESI EMILIANO

12:02 - 12:10 PECORARO GIOVANNI

12:10 - 12:18 PIROLO MATTIA

12:18 - 12:26 TONINI CLAUDIA



- 12:30 - 12:45** Concluding remarks of the Director of the PhD Programme Prof. Paolo Visca
- 12:45 - 13:00** Awarding Ceremony
- 13:00 - 14:00** Meeting of the “BIOMEDICAL SCIENCES AND TECHNOLOGIES” (STB) Scientific Board