



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

December 4th - 5th, 2018

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

December 4th, 2018

9:00- 9:15 Welcome and opening remarks of the Director of the PhD Programme Prof. Paolo Visca

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

Microbiology and Biotechnology Session

Chairs: Prof. Antonini, Prof. Visca

9:15 - 9:40 HIJAZI SARAH

“Hijacking bacterial iron metabolism using the post-transition metal gallium” (tutors VISCA-FRANGIPANI)

9:40 - 10:05 DE SABATO LUCA

“Monitoring Hepatitis E Virus and Coronavirus in animal reservoirs by classical molecular techniques and Next Generation Sequencing” (tutors AFFABRIS-DI BARTOLO-VACCARI)

10:05 - 10:30 SECCHI VALERIA

“Smart biomaterials for tissue engineering: structural and biological properties” (tutor BATTOCCHIO)

Biochemistry, Cell Physiology and Pharmacology

Chairs: Prof. Acconcia, Prof. Ascenzi

10:30 - 10:55 BRANDI VALENTINA

“Study of the ordered domains of Huntingtin” (tutor POLITICELLI)

10:55 - 11:20 TORTOSA VALENTINA

“Structure-function relationships in members of the Major Facilitator Superfamily of transporters: Ferroportin as a model system” (tutor POLITICELLI)

11:20 - 11:40 Coffee Break

11:40 - 12:05 DE SIMONE GIOVANNA

“Nitrobindins: a new family of all- β barrel heme proteins” (tutor ASCENZI)

12:05 - 12:30 SAGGESE PASQUALE

“Molecular characterization of ER β 1 effect in Triple Negative Breast Cancer” (tutors ACCONCIA-WEISZ)

12:30 - 12:55 SELLITTO ASSUNTA

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

12:55 - 13:20 BUSONERO CLAUDIA

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

13:20 - 13:45 MELANCIA FRANCESCA

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

13:45 - 15:00 Lunch



XXXII PhD Programme STB (15 min presentation; 5 min discussion)

Cell Physiology, Immunology and Pharmacology Session

Chairs: Prof. Marino, Prof. Trezza

15:00 - 15:20 VIRDIA ILARIA

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

15:20 - 15:40 DI SEGNI MICOL

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

15:40 - 16:00 GIONFRA FABIO

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

16:00 - 16:20 SCHIAVI SARA

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

16:20 - 16:40 Coffee Break

Microbiology and Biotechnology Session

Chairs: Prof. Affabris, Prof. Leoni

16:40 - 17:00 AIELLO ALESSANDRA

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

17:00 - 17:20 BALDELLI VALERIO

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

17:20 - 17:40 MURGIA LORENZA

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

December 5th, 2018

XXXIII PhD Programme STB (10 min presentation; 5 min discussion)

Microbiology and Biotechnology Session

Chairs: Prof. Imperi, Prof. Rampioni

9:00 - 9:15 PIROLO MATTIA

"Meticillin-resistant *Staphylococcus aureus* (MRSA) in intensive animal husbandry; public health implications" (tutor VISCA)

9:15 - 9:30 FORTUNA ALESSANDRA

"Studying the link between zinc starvation response and other global regulatory networks controlling *Pseudomonas aeruginosa* virulence" (tutor LEONI)

9:30 - 9:45 MELLINI MARTA

"Functional characterization of anti-virulence molecules targeting *Pseudomonas aeruginosa* quorum sensing" (tutor RAMPIONI)

9:45 - 10:00 GIANESSI FLAVIA

"Signaling and functions of extracellular vesicles transporting microbial molecules" (tutor AFFABRIS)



Biochemistry and Physiology Session

Chairs: Prof. Pallottini, Prof. Polticelli

10:00 - 10:15 MACARI GABRIELE

“Study of the structural bases of protein-ligand molecular recognition for the development of novel bioinformatics tools for drug design” (tutor POLTICELLI)

10:15 - 10:30 SOLAR FERNÁNDEZ VIRGINIA

“Dissecting the molecular mechanisms at the root of neuroglobin survival effect in estrogen-related breast cancers” (tutor MARINO-FIOCCHETTI)

10:30 - 10:45 MONTALESI EMILIANO

“Biomedical consequences of 17- β estradiol/neuroglobin pathway modulation by natural and synthetic molecules” (tutor MARINO)

10:45 - 11:00 TONINI CLAUDIA

“Effects of xenobiotics on cholesterol metabolism” (tutor PALLOTTINI)

11:00 - 11:15 PECORARO GIOVANNI

“Molecular and functional characterization of the RNAs within the ribonucleoproteic complex Estrogen Receptor β (ER β) – Argonaute 2 (AGO2)” (tutor MARINO-WEISZ)

11:15 - 11:35 Coffee Break

XXXIV PhD Programme STB (6 min presentation; 4 min discussion)

Chairs: Prof. di Masi, Prof. Gasperi

11:35 - 11:45 ALBANESI JACOPO

11:45 - 11:55 ARTUSO IRENE

11:55 - 12:05 BARTOLONI STEFANIA

12:05 - 12:15 COLLALTO DILETTA

12:15 - 12:25 D'ELIA ANNUNZIATA

12:25 - 12:35 PASQUADIBISCEGLIE ANDREA

12:35 - 12:45 PIMENTEL DE ARAUJO FERNANDA

12:45 - 12:55 SPINNATO MARIA CONCETTA

12:55 - 13:05 TESCARI MARCO

13:05 - 13:15 VITA GIAN MARCO

13:15 - 13:30 Concluding remarks of the Director of the PhD Programme

13:30 - 13:45 Awarding Ceremony

13:45 - 15:00 Lunch

15:00 - 16:30 Meeting of the “BIOMEDICAL SCIENCES AND TECHNOLOGIES” (STB) Scientific Board

