

4° Convegno Istituto di Chimica Biomolecolare CNR
27 - 29 Settembre 2017 - Aula Conferenze
Area di Ricerca Napoli 3 - Pozzuoli

Mercoledì 27 Settembre

14.00 -14.20 Messaggio di benvenuto del Direttore **Di Marzo V.**

14.20 -14.30 Messaggio di benvenuto dell'Assessore alla Cultura, Turismo e Tempo Libero **Moccia Di Fraia M.T.**

1ª Sessione Scientifica: Free Innovation (Moderatori: **Delogu G.M.** and **Fontana A.**)

14.30 -15.10 Prof. **Giovanni Sanna**, Università di Napoli Federico II, Dipartimento Scienze Chimiche "VALUABLE RESOURCES"

15.10 -15.30 **Peluso P.** "MECHANISTIC ASPECTS OF HALOGEN BOND-DRIVEN INTERACTIONS IN COMPLEX MOLECULAR ENVIRONMENT"

15.30 -15.50 **Crisma M.** "TUNING MORPHOLOGICAL ARCHITECTURES GENERATED THROUGH LIVING SUPRAMOLECULAR ASSEMBLY OF A HELICAL FOLDAMER END-CAPPED WITH TWO COMPLEMENTARY NUCLEOBASES"

15.50 -16.10 **Coffee break**

16.10 -17.30 **Poster session**

17.30 -18.30 Assemblea d'Istituto: Strategie e Futuro

Giovedì 28 Settembre

2ª Sessione Scientifica: Chemistry for Health and Life Sciences (Moderatori: **D'Antona N.** and **Motta A.**)

09.00 -09.20 **Piscitelli F.** "Stato di avanzamento progetto AMICA"

09.20 -09.40 **Tommonaro G.** "QUORUM SENSING IN ENVIRONMENT AND MEDICINE"

09.40 -10.00 **Napoli E.** "HYPERICUM PERFORATUM AND MINOR HYPERICUM SPECIES: PHYTOCHEMICAL AND PHOTOTOXIC ACTIVITY COMPARISON"

10.00 -10.20 **Nuzzo G.** "BIOASSAY-GUIDED FRACTIONATION OF MARINE EXTRACTS TO DRUG DISCOVERY: METHODS, APPLICATIONS AND LAST RESULTS"

10.20 -10.40 **Andreotti G.** "FUNCTIONAL AND STRUCTURAL CHARACTERIZATION OF HUMAN PHOSPHOMANNOMUTASES"

10.40 -11.00 **Coffee break**

11.00 -11.20 **Colombino M.** "NGS-BASED MUTATION ANALYSIS OF PRIMARY AND METASTATIC MELANOMAS"

11.20 -11.40 **Palomba G.** "NGS-BASED BRCA MUTATION ANALYSIS IN BREAST AND OVARIAN CANCERS"

11.40 -13.00 **Poster session**

13.00 -14.00 **Lunch**

3ª Sessione Scientifica: Chemistry for Health and Life Sciences (Moderatori: **Calderan A.** and **Di Marzo V.**)

14.00 -14.40 Prof. **Giovanni Appendino**, Università del Piemonte Orientale, Dipartimento di Scienze Farmaceutiche "IS CANNABIS FINALLY ENTERING A POST-THC ERA?"

14.40 -15.00 **Iannotti F.A.** "THE LOSS OF ARISTALESS RELATED HOMEODOMAIN TRANSCRIPTIONAL REPRESSION ACTIVITY ON CATION CHANNEL TRPV2 GENE CAUSES ABERRANT NEURONAL ACTIVITY: IMPLICATION FOR EPILEPSIES"

15.00 -15.20 **Amodeo P.** "NOVEL NONCANONICAL FAAH CATALYTIC MECHANISM FROM NEW MULTITARGET ANALGESIC"

15.20 -15.40 **Cristino L.** "HIGH FAT DIET-INDUCED ENDOTOXEMIA AND THE GUT-BRAIN AXIS: EFFECTS ON THE ONSET OF HALLMARKS OF NEURODEGENERATION"

15.40 -16.00 **Ruzza P.** "EVALUATION OF CRYSTALLINE LENS WATER-SOLUBLE PROTEINS DEGRADATION BY SRCD AND FLUORESCENCE SPECTROSCOPIES"

16.00 -16.20 **Coffee break**

16.20 -16.50 **Poster session**

16.50 -17.50 Consiglio d'Istituto

Visita del Rione Terra - Comune di Pozzuoli

Cena sociale

Venerdì 29 Settembre

4ª Sessione Scientifica: Green Chemistry, sustainable processes and renewable energy

(Moderatori: **Gavagnin M.** and **Marchetti M.**)

09.00 -09.40 Prof. **Maria Laura Mastellone**, Dipartimento di Scienze e Tecnologie Ambientali Biologiche e Farmaceutiche, Università degli Studi della Campania "Luigi Vanvitelli" "RECUPERO DI SCARTI AGRICOLI PER LO SVILUPPO DI PROCESSI SOSTENIBILI PER L'ECONOMIA CIRCOLARE"

09.40 -10.00 **Di Donato P.** "EXTREMOPHILES' RELEVANCE FOR THE PRODUCTION OF SECOND GENERATION BIOETHANOL"

10.00 -10.20 **Sardo A.** "DIATOMS FOR BIOTECHNOLOGICAL APPLICATIONS"

10.20 -10.40 **Villano R.** "CARBON NANOMATERIALS AS EFFICIENT CATALYSTS FOR ORGANIC REACTIONS"

10.40 -11.00 **Coffee break**

POSTERS SELEZIONATI

11.00 -11.10 **Arras A.** "SYNTHESIS OF BENZYLTRIAZOLYL-BOX LIGANDS AND THEIR APPLICATION IN THE ASYMMETRIC COPPER(II) CATALYSED NITROALDOL REACTION"

11.10 -11.20 **Biondi B.** "CHALCIPORIN A: A MULTIDISCIPLINARY APPROACH TO THE STUDY OF MEMBRANE INTERACTION MECHANISM"

11.20 -11.30 **Consoli G.M.L.** "NANOSTRUCTURED CALIX[4]ARENES FOR ANTIBACTERIAL PHOTOTHERAPY"

11.30 -11.40 **Vitale R.M.** "IN SILICO IDENTIFICATION AND EXPERIMENTAL VALIDATION OF MUQUBULIN, A NATURAL COMPOUND FROM MARINE SOURCE, AS A NOVEL PPAR α / γ -RXR α AGONIST POTENTIALLY USEFUL FOR ALZHEIMER'S DISEASE"

11.40 -12.10 **Conclusioni e prospettive future**

Responsabili Sedi Secondarie e Direttore

13.00 -14.00 **Lunch**

Posters

Abbamondi G.R., Iodice C., De Prisco R., Nicolaus B. and Tommonaro G. ANALYSIS OF COMPOSITION AND BIOACTIVITY OF DIFFERENT EXTRACTS FROM NEW TOMATO HYBRIDS

Arras A., Sechi B., Solinas M. SYNTHESIS OF BENZYLTRIAZOLYL-BOX LIGANDS AND THEIR APPLICATION IN THE ASYMMETRIC COPPER(II) CATALYSED NITROALDOL REACTION

Biondi B., De Zotti M., Peggion C., Bortolus M., Formaggio F., Stella L., Bortolotti A., Syryamina V.N., Dzuba S., Tsvetkov Y.D. CHALCIPORIN A: A MULTIDISCIPLINARY APPROACH TO THE STUDY OF MEMBRANE INTERACTION MECHANISM

Consoli G.M.L., Granata G., Di Bari I., Nostro A., Blanco A.R., Sortino S. NANOSTRUCTURED CALIX[4]ARENES FOR ANTIBACTERIAL PHOTOTHERAPY

Dettori M.A., **Fabbri D.** and Delogu G. NATURAL-LIKE BIPHENILIC CHALCONES OBTAINED BY SUSTAINABLE METHODS

Fenude E. SHORT PEPTIDES AS TURN ELEMENT FOR NUCLEATING SECONDARY STRUCTURES

Pisano M., **Rozzo C.**, Mokhtar A., Verde R., Palmieri G., Di Marzo V. and Ligresti A. COMPARATIVE ANALYSIS OF ENDOCANNABINOID SYSTEM GENE EXPRESSION ON METASTATIC VS PRIMITIVE MELANOMA CELL LINES

Piscitelli F., Manzo E., Di Marzo V., Cutignano A. TARGETED LIPIDOMICS APPROACH TO IDENTIFY ENDOGENOUS N-OL EOYL AMINO ACIDS IN MOUSE PLASMA AND ADIPOSE TISSUE

Poli A., Delogu G., Dettori M.A., Fabbri D., Finore I., Geraci C., Granata G., Napoli E., Romano I. SUSTAINABLE COMPOUNDS CONTRAST THE PROLIFERATION OF DAMAGING MICROORGANISMS THAT COMPROMISE THE INTEGRITY CULTURAL HERITAGE

Poli A., Romano I., Orlando P., Nicolaus B., Di Donato P. EXTREMOPHILES FOR ASTROBIOLOGY STUDIES

Romano I., Abbate M., Poli A, D'Orazio L. EXTREMOPHILIC BACTERIA FOR BIO-CLEANING CULTURAL HERITAGE

Ruza P., Serra P.A., Fabbri D., Dettori M.A., Rocchitta G., **Delogu G.** HYDROXYLATED BIPHENYLS AS TYROSINASE INHIBITOR: A SPECTROPHOTOMETRIC AND ELECTROCHEMICAL STUDY

Schiano Moriello A., Nalli M., Ortar G., Di Marzo V., De Petrocellis L. EFFECTS OF CURCUMIN AND CURCUMIN ANALOGUES ON TRPA1 AND TRPM8 CHANNELS

Tramice A., Abagnale M., Finore I., Pagnotta E., Trincone A., Pirozzi D. IMMOBILIZATION IN SOL-GEL MICROSTRUCTURED REACTORS OF XYLANASE FROM THERMOMYCES LANUGINOSUS: A NEW ENZYMATIC MONOLITH REACTORS FOR THE XYLOOLIGOSACCHARIDES PRODUCTION

Vitale R.M., D'Aniello E., Martella A., Ciavatta L., Gavagnin M., Di Marzo V., Amodio P. IN SILICO IDENTIFICATION AND EXPERIMENTAL VALIDATION OF MUQUBULIN, A NATURAL COMPOUND FROM MARINE SOURCE, AS A NOVEL PPAR α / γ -RXR α AGONIST POTENTIALLY USEFUL FOR ALZHEIMER'S DISEASE