

Università di Camerino
Scuola di Scienze del Farmaco
e dei Prodotti della Salute



II Edizione **Convegno Monotematico SIF** **Behavioral and metabolic aspects of obesity and eating disorders**

Gruppo di lavoro SIF
Obesità, Sindrome Metabolica e Disordini Alimentari

Camerino 6 - 7 June 2024
Conference venue: Borgo Lanciano

Scientific Committee

Carlo Cifani
University of Camerino
Silvana Gaetani
Sapienza University of Rome
Giuseppe Cirino
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University of Camerino
Emanuela Micioni Di Bonaventura
University of Camerino
Marzia Friuli
Sapienza University of Rome

Thursday, June, 6th

13.00 Registration and Light Lunch

14.00 **Introduction**

Giuseppe Cirino SIF President

Graziano Leoni Rector of University of Camerino

Andrea Braschi General Manager of the University of Camerino

Gianni Sagratini Director of the School of Pharmacy, University of Camerino

Fabrizio Gardoni Coordinator SIF working groups

Carlo Cifani Scientific Committee of the Conference

Silvana Gaetani Scientific Committee of the Conference

14:15 **Opening Lecture**

Introduced by: **Giorgio Racagni** (Past SIF President)

Emerging aspects of pharmacotherapy for obesity

Enzo Nisoli (University of Milan)

15:00-16:00 **Selected Oral Presentations (under 38) Session #1**

Chairs: **Carlo Cifani** (University of Camerino), **Silvana Gaetani** (Sapienza University of Rome)

15:00 *Dysregulation of the immune response dynamics in a preclinical model of Anorexia Nervosa: evidence of a periphery-to-brain crosstalk*

Francesca Mottarlini (University of Milan), Susanna Parolaro, Lorenzo Da Dalt, Andrea Baragetti, Beatrice Rizzi, Fabrizia Bonacina, Giuseppe Danilo Norata, Fabio Fumagalli, Lucia Caffino

15:15 *Exploring the therapeutic potential of Linoleoyl ethanolamide and its derivative HTLE in obesity and associated liver syndrome*

Marialuisa de Ceglia (University of Camerino, Universidad de Málaga-Hospital Universitario Regional de Málaga, Spain), Ruben Tovar, Massimo Ubaldi, Roberto Ciccocioppo, Carlo Cifani, Elena Baixeras, Fernando Rodriguez de Fonseca, Juan Decara

15:30 *Abstinence from palatable food provokes depressive-like and anxiety-like behavior in rats: possible protective role of the endocannabinoid tone*

Marzia Friuli (Sapienza University of Rome), Marialuisa de Ceglia, Adele Romano, Maria Vittoria Micioni Di Bonaventura, Ana Luisa Gavito, Luca Botticelli, Emanuela Micioni Di Bonaventura, Carlo Cifani, Fernando Rodriguez de Fonseca, Silvana Gaetani

- 15:45 *The association of N-acylethanolamines derived from olive oil recovers whole-body metabolic dysfunction in obese mice*
Stefania Melini (University of Naples "Federico II"), Claudio Pirozzi, Adriano Lama, Federica Comella, Nicola Opallo, Filomena Del Piano, Maria Carmela Ferrante, Giuseppina Mattace Raso, Rosaria Meli
- 16:00 *Investigating neuroinflammation in the Activity-Based Anorexia (ABA) animal model in female rats*
Carlotta Siddi (University of Cagliari), Chiara Camoglio, Sabrina D'Amelio, Vittoria Spero, Raffaella Molteni, Maria Scherma, Simona Dedoni, Walter Fratta, Paola Fadda
- 16:15 *Coffee break*
- 16:30-17:30 **Selected Oral Presentations (under 38) Session #2 (including invited presentations)**
 Chairs: **Emilio Clementi** (University of Milan), **Mariarosaria Bucci** (University of Naples), **Adele Romano** (Sapienza University of Rome)
- 16:30 *Effect of Nivasorexant, a selective orexin 1 receptor antagonist, in a preclinical model of binge eating in female rats*
Luca Botticelli (University of Camerino), Michel Alexander Steiner, Giorgio Bergamini, Emanuela Micioni Di Bonaventura, John Gatfield, Jodi T Williams, Alexander Treiber, Catherine Vaillant, Carlo Cifani, Maria Vittoria Micioni Di Bonaventura
- 16:45 *In vitro pharmacological characterization of ligands of the growth hormone secretagogue receptor (GHSR) using the dynamic mass redistribution and calcium mobilization assays*
Chiara Sturaro (University of Ferrara), Chiara Ruzza, Federica Ferrari, Pietro Pola, Michela Argentieri, Alessia Frezza, Barbara Bettegazzi, Stefano Cattaneo, Claudio Pietra, Davide Malfacini, Girolamo Calo
- 17:00 *Potential repurposing of the SYK inhibitor Fostamatinib in a murine model of diet-induced insulin resistance and neuroinflammation*
Eleonora Aimaretti (University of Turin), Elisa Porcietto, Gustavo Ferreira Alves, Giacomo Einaudi, Debora Collotta, Chiara Rubeo, Enrica Marzani, Beatrice Capuani, Raffaella Mastrocola, Manuela Aragno, Carlo Cifani, Massimo Collino
- 17:15 *ASGR1 deficiency diverts lipids toward adipose tissue but results in liver damage during obesity*
Giuseppe Danilo Norata (University of Milan)

17:40 - 19.00 **Selected Poster Presentations Session #1 (Posters 1-10)**

Chair: **Livio Luongo** (University of Campania "Luigi Vanvitelli")

- 1) *High-fat-diet in adolescent mice leads to late depressive-like phenotype in a sex-dependent manner*
Lisa Pia Agosti (University of Foggia), Maria Bove, Vladyslav Sikora, Luigia Trabace, Maria Grazia Morgese
- 2) *Fructooligosaccharides protect from metabolic disorders caused by long-term fructose or galactose consumption in rats*
Eleonora Aimaretti (University of Turin), Fidele Almasri, Debora Collotta, Nadine Sus, Manuela Aragno, Federica Dal Bello, Ilaria Bertocchi, Raffaella Mastrocola, Rikard Landberg, Jan Frank, Massimo Collino
- 3) *Ginsenosides quantification of Ginseng root extract and biological studies to reduce obesity*
Laura Alessandroni (University of Camerino), Simone Angeloni, Oliviero Marinelli, Cristina Aguzzi, Massimo Nabissi, Laura Bordoni, Irene Petracci, Rosita Gabbianelli, Valentina Cekarini, Mauro Angeletti, Anna Maria Eleuteri, Huimin Liu, Giovanni Caprioli, Gianni Segratini

Chair: **Lorenzo Di Cesare Mannelli** (University of Florence)

- 4) *Bombesin modulated inflammatory and oxidative stress markers related to gastroesophageal reflux disease*
Alessio Ardizzone (University of Messina), Giovanna Casili, Marika Lanza, Sarah Adriana Scuderi, Lelio Crupi, Michela Campolo, Irene Paterniti, Emanuela Esposito
- 5) *Pea-Oxa improves psychophysical and metabolic aspects associated with social isolation in male mice: an in vivo and in vitro study*
Carmela Belardo (University of Campania "Luigi Vanvitelli"), Nicola Alessio, Martina Pagano, Emanuela De Dominicis, Rosmara Infantino, Michela Perrone, Monica Iannotta, Umberto Galderisi, Barbara Rinaldi, Damiana Scuteri, Giacinto Bagetta, Enza Palazzo, Sabatino Maione, Livio Luongo
- 6) *Tackling metabolic dysfunction and cognitive decline with innovative prebiotic cookies enriched with probiotics*
Laura Bonfili (University of Camerino), Francesco Maria Grasselli, Massimiliano Cuccioloni, Valentina Cekarini, Mauro Angeletti, Elena Giovanna Piera Vittadini, Livio Galosi, Daniele Tomassoni, Gregorio Sonsini, Massimo Ubaldi, Anna Maria Eleuteri

Chair: **Carla Ghelardini** (University of Florence)

- 7) *Clozapine suppresses mitochondrial biogenesis and triggers mitochondrial hyperactivation, concurrently enhancing ATP synthesis and ROS generation*
Gloria Buffi (University of Urbino Carlo Bo, Urbino), Mara Fiorani, Nazanin Bagherlou, Liana Cerioni, Barbara Canonico, Mariele Montanari, Andrea Guidarelli, Lucia Coppo, Orazio Cantoni
- 8) *Study of behavior, plasticity-related markers and neuroinflammation in a mouse model of developmental and epileptic encephalopathy following a ketogenic diet*
Lorenzo Cifarelli (University of Turin), Giacomo Einaudi, Alessandra Lodi, Alessandra Oberto, Carlo Cifani, Massimo Collino, Ilaria Bertocchi
- 9) *Histone deacetylase is a molecular switch of adipose tissue phenotype*
Lara Coppi (University of Milan), Alessandra Ferrari, Raffaella Longo, Carolina Peri, Rui Silva, Sara Villa, Fabrizia Bonacina, Giuseppe Danilo Norata, Ilenia Severi, Antonio Giordano, Nicolas Guex, Tiziana Caputo, Béatrice Desvergne, Emma De Fabiani, Nico Mitro, Maurizio Crestani
- 10) *Pharmaco-toxicological profile of "Aglianico del Vulture" red wine polyphenolic extract (RWP) as dietary supplement for preventing obesity - associated cardiometabolic complications*
Vanessa Desantis (University of Bari), Alessandro Andriano, Ingrid Catalina Caradonna, Antonietta Scaringella, Maria Luisa Sveva Marozzi, Sebastiano Cicco, Vittoria Infantino, Carmela Nacci, Monica Montagnani, Maria Assunta Potenza

17:40 - 19.00 **Selected Poster Presentations Session #1 (Posters 11-20)**

Chair: **Carmela Fimognari** (University of Bologna)

- 11) *Interactions of food supplements for weight loss and drugs: the case of Garcinia cambogia (Gaertn.) Desr. and montelukast*
Antonella Di Sotto, Silvia Di Giacomo, **Ester Percaccio** (Sapienza University of Rome), Annabella Vitalone, Erica Scuotto, Cecilia Battistelli, Gabriela Mazzanti, Francesca Menniti-Ippolito, Ilaria Ippoliti
- 12) *Effects of limbic NPY-Y1 receptor knockout on adipose tissue*
Giacomo Einaudi (University of Camerino), Fausto Chiazza, Ilaria Bertocchi, Eleonora Aimaretti, Alessandra Oberto, Carlo Cifani, Maria Vittoria Micioni Di Bonaventura, Massimo Collino

- 13) *Involvement Toll-Like Receptor 4 signaling and dopaminergic neurotransmission in high-fat diet-induced small intestine neuromuscular dysfunction*
Sofia Faggin, Silvia Cerantola, Angela Tietto, Valentina Caputi, Annalisa Bosi, Edoardo Savarino, Cristina Giaroni, **Maria Cecilia Giron** (University of Padova)

Chair: **Antonella De Angelis** (University of Campania "Luigi Vanvitelli")

- 14) *Casein kinase II inhibition as a promising pharmacological strategy to mitigate latent and acute inflammation: from metabolic to infectious diseases*
Gustavo Ferreira Alves (University of Camerino, University of Turin, Federal University of Santa Catarina), Elisa Porcietto, Eleonora Aimaretti, Maria Luisa da Silveira Hahmeyer, Giacomo Einaudi, Chiara Rubeo, Enrica Marzani, Debora Collotta, Eugenia Ferrero, Raffaella Mastrocola, Manuela Aragno, José Eduardo da Silva-Santos, Daniel Fernandes, Carlo Cifani, Massimo Collino
- 15) *Oleylethanolamide exerts cardiac antifibrotic effect in overweight rats*
Marzia Friuli (Sapienza University of Rome), Marialuisa de Ceglia, Adele Romano, Maria Vittoria Micioni Di Bonaventura, Ana Luisa Gavito, Luca Botticelli, Emanuela Micioni Di Bonaventura, Carlo Cifani, Fernando Rodriguez de Fonseca, Silvana Gaetani
- 16) *Stress and eating behaviours: focus on the role of salivary miRNAs as non-invasive biomarkers*
Federica Gilardini (University of Teramo), Alessandro Piccinini, Eugenia Annunzi, Loreta Cannito, Alberto Di Domenico, Claudio D'Addario

Chair: **Tiziana Rubino** (University Insubria)

- 17) *Effects of ghrelin antagonists in mice fed a high-fat diet*
Laura Rizzi (University of Milano-Bicocca), Elena Bresciani, Vanessa Zambelli, Ramona Meanti, Laura Molteni, Emma Sartori, Antonio Torsello
- 18) *Histaminergic system as a new therapeutic target to prevent binge eating-like behavior*
Virginia Sordi (University of Camerino, University of Florence), Alessia Costa, Emanuela Micioni Di Bonaventura, Luca Botticelli, Maria Beatrice Passani, Carlo Cifani, Gustavo Provensi, Maria Vittoria Micioni Di Bonaventura
- 19) *NPY-Y1R signal, gonadal hormones and diet interaction in modulating neuroplasticity and inflammation in female mice*
Alessandra Lodi (University of Turin), Alessandra Oberto, Lorenzo Cifarelli, Federica Trento, Niccolò Di Cintio, Giacomo Einaudi, Carlo Cifani, Massimo Collino, Ilaria Bertocchi

20)

Do glial cells play a role in binge-like eating behavior?

Marta Valenza (Sapienza University of Rome), Emanuela Micioni
Di Bonaventura, Roberta Facchinetti, Luca Botticelli, Claudia Ciarla,
Maria Vittoria Micioni Di Bonaventura, Carlo Cifani, Caterina Scuderi

20:30

Social Dinner

Friday, June, 7th

9:00-10:30 Selected Oral Presentations (under 38) Session #3

Chairs: **Vincenzo Calderone** (University of Pisa), **Maria Angela Sortino** (University of Catania), **Christian Chiamulera** (University of Verona)

- 9:00 *Obesity-induced skeletal muscle dysfunction involves a defective transsulfuration pathway*
Martina Smimmo (University of Naples "Federico II"), Veronica Casale, Ivana Bello, Elisabetta Panza, Giuseppe Cirino, Valentina Vellecco, Mariarosaria Bucci
- 9:15 *The relevance of cystathionine β -synthase/hydrogen sulfide signaling in restoring the oxidative stress in the aorta of high-fat diet-treated mice*
Erika Esposito (University of Naples "Federico II"), Chiara Indolfi, Melania Correale, Ivana Bello, Elisabetta Panza, Claudio Pirozzi, Emma Mitidieri, Giuseppina Mattace Raso, Rosaria Meli, Raffaella Sorrentino, Roberta d'Emmanuele di Villa Bianca
- 9:30 *Olaliamid prevents the metabolic changes induced by a high fat/high carbohydrate diet in the rat hypothalamus*
Claudia Ciarla (Sapienza University of Rome), Roberta Facchinetti, Marta Valenza, Benedetta Di Cesare, Patrizia Campolongo, Caterina Scuderi
- 9:45 *Activity-Based Anorexia alters genomic glucocorticoid signaling in the amygdala and induces cognitive and emotional impairments in adolescent female rats*
Beatrice Rizzi (University of Milan), Francesca Mottarlini, Susanna Parolaro, Sofia Taddini, Fabio Fumagalli, Lucia Caffino
- 10:00 *Reactive hypoglycemia in binge eating disorder, food addiction, and the comorbid phenotype: clinical and outcome implications*
Marianna Rania (University Hospital Renato Dulbecco Catanzaro), Franco Arturi, Cristina Segura Garcia
- 10:15 *Metformin-isothiocyanate (Met-ITC), a new bullet for the management of oxidative stress associated with obesity: in vitro evaluation on murine preadipocytes and mature white adipocytes*
Lorenzo Flori (University of Pisa), Giulia Galgani, Giorgia Bray, Clarissa Pierucci, Chiara Ippolito, Carolina Pellegrini, Valentina Citi, Elisabetta Barresi, Nunzia Bernardini, Sabrina Taliani, Federico Da Settimo Passetti, Alma Martelli, Vincenzo Calderone

10:30

Lecture

Introduced by: **Maria Vittoria Micioni Di Bonaventura** (University of Camerino)

Habenular regulation of obesity-related abnormalities in food preference and motivation

Paul Kenny (Mount Sinai Hospital, New York USA)

11.15

Coffee break

11:30-12:30

Selected Oral Presentations (under 38) Session #4

Chairs: **Luigia Trabace** (University of Foggia), **Orazio Cantoni** (University of Urbino), **Fabrizio Gardoni** (University of Milan)

11:30

Inhibition of Cyclin-Dependent Kinase 9 (CDK9) ameliorates metabolic abnormalities evoked by hypercaloric diet consumption in mice

Elisa Porcietto (University of Camerino, University of Turin), Eleonora Aimaretti, Debora Collotta, Gustavo Ferreira Alves, Giacomo Einaudi, Enrica Marzani, Leonardo Camillò, Raffaella Mastrocola, Manuela Aragno, Maria Vittoria Micioni Di Bonaventura, Carlo Cifani, Massimo Collino

11:45

Salivary microbiota dysbiosis in individuals with binge-eating disorder and bulimia nervosa

Francesca Mercante (University of Teramo), Mariangela Pucci, Cristina Segura Garcia, Marianna Rania, Afrouz Abbaspour, Cynthia M. Bulik, Claudio D'Addario

12:00

An immune-inflammatory perspective for the peri- and post-prandial condition

Andrea Baragetti (University of Milan), Anna Parolini, Lorenzo Da Dalt, Giovanni Battista Vingiani, Alessia Rubino, Annalisa Moregola, Fabrizia Bonacina, Giuseppe Danilo Norata

12:15

Efficacy of a novel therapeutic, based on natural ingredients and probiotics, in a murine model of multiple food intolerance and maldigestion

Alessio Ardizzone (University of Messina), Alessia Filippone, Alberto Repici, Deborah Mannino, Laura Cucinotta, Michela Campolo, Emanuela Esposito

12:30-13.15

Selected Poster Presentations Session #2 (Posters 21-30)

Chair: **Marco Pistis** (University of Cagliari)

21)

Unraveling the impact of Resveratrol on Sirt1: a GRADE-assessed systematic review and dose-response meta-analysis of Randomised Controlled Trials (RCTs)

Fatemeh Mansouri (University of Camerino), Giulia Feliziani, Laura Bordoni, Rosita Gabbianelli

- 22) *High fat diet induced Histone-3-K27-trimethylation is involved in the early onset of liver steatosis*
 Giulia Pinton, **Elena Mantovani** (University of Eastern Piedmont),
 Mattia Perucca, Valentina Gigliotti, Giulia Dematteis, Justyna Ma lecka,
 Gabriela Chrostek, Laura Tapella, Dmitry Lim, Laura Moro, Fausto Chiazza
- 23) *Targeting miR-22 as a promising therapeutic approach for obesity and metabolic disorders*
Francesco Margiotta (University of Florence), Anna Altieri, Simone Tomasini,
 Carla Ghelardini, Sakari Kauppinen, Riccardo Panella
- Chair: **Lucia Caffino** (University of Milan)
- 24) *Effects of supplementation with whey protein+vitamin D on lipid profile modulation in dysmetabolic patients with vitamin D deficiency*
Silvia Marri (University of Florence), Serafina Villano, Silvia Sgambellone,
 Barbara Biffi, Chiara Francesca Gheri, Laura Lucarini, Maria Luisa Eliana Luisi
- 25) *Antioxidant and anti-inflammatory properties of tart cherries (*Prunus cerasus* L) intake in different organs of obese rats*
Ilenia Martinelli (University of Camerino), Vincenzo Bellitto, Proshanta Roy,
 Maria Vittoria Micioni Di Bonaventura, Maria Gabriella Gabrielli, Giulio Lupidi,
 Francesco Amenta, Seyed Khosrow Tayebati, Carlo Cifani, Daniele Tomassoni
- 26) *Effects of insulin on the blood brain barrier integrity: the pivotal role of astrocyte activation*
Enrica Marzani (University of Turin), Gustavo Ferreira Alves, Elisa Benetti,
 Arianna Carolina Rosa, Carlo Cifani, Massimo Collino,
 Simona Federica Spampinato
- Chair: **Gianni Sava** (Director SIF Magazine)
- 27) *Dysregulation of adenosine A2A and dopamine D2 receptor genes in brain reward system in female rats with repeated binge-like eating episodes*
Emanuela Micioni Di Bonaventura (University of Camerino),
 Francesca Mercante, Luca Botticelli, Mariangela Pucci, Claudio D'Addario,
 Maria Vittoria Micioni Di Bonaventura, Carlo Cifani
- 28) *Investigating the interplay between stress, circadian rhythm, and sex in body weight and behavioral changes of a mouse model of depression*
Jessica Mingardi (University of Milano-Bicocca), Paulina Misztak,
 Mattia Giovenzana, Noemi Nicosia, Laura Musazzi

- 29) *Activity-based anorexia induces long-lasting peripheral and central dysregulation of the immune response*
Susanna Parolaro (University of Milan), Lorenzo Da Dalt, Andrea Baragetti, Beatrice Rizzi, Fabrizia Bonacina, Giuseppe Danilo Norata, Fabio Fumagalli, Francesca Mottarlini, Lucia Caffino
- 30) *Arthrospira platensis (Spirulina) prevents metabolic inflammation in a murine model of high fat high sugar consumption*
Elisa Porchietto (University of Camerino), Eleonora Aimaretti, Giacomo Mantegazza, Giorgio Gargari, Debora Collotta, Giacomo Einaudi, Gustavo Ferreira Alves, Enrica Marzani, Alessandro Algeri, Federica Dal Bello, Manuela Aragno, Simone Guglielmetti, Raffaella Mastrocola, Carlo Cifani, Massimo Collino

12:15-13:15 **Selected Poster Presentations Session #2 (Posters 31-40)**

Chair: **Roberto Russo** (University of Naples "Federico II")

- 31) *"Whoever seeks will find": an experimental machine learning-based model for detecting binge-eating disorder from the oral glucose tolerance test*
Marianna Rania (University Hospital Renato Dulbecco), Anna Procopio, Paolo Zaffino, Elvira Anna Carbone, Francesca Condoleo, Franco Arturi, Carlo Cosentino, Cristina Segura Garcia
- 32) *Potential role of the hydroxyl carboxylic acid receptor type 2 (HCAR2) in microglia pathophysiology and pain implications*
Federica Ricciardi (University of Campania "Luigi Vanvitelli"), Michela Perrone, Carmela Belardo, Serena Boccella, Antimo Fusco, Andrea Maria Morace, Francesca Guida, Enza Palazzo, Sabatino Maione, Livio Luongo
- 33) *Interplay between relaxin-3 and oxytocin signaling in the control of food intake: pharmacological implications for the treatment of binge eating disorder*
Alan Kania (University of Heidelberg), Agata Szlaga, Patryk Sambak, Anna Gugula, Kamil Pradel, Lukasz Chrobok, Sherie Ma, Maria Vittoria Micioni Di Bonaventura, Mohammed Akhter Hossain, Carlo Cifani, Andrew Gundlach, Valery Grinevich, Anna Blasiak

Chair: **Konrad Urbanek** (University of Campania "Luigi Vanvitelli")

- 34) *Oleoylethanolamide ameliorates altered lipid and energy metabolism in the skeletal muscle of overweight rats*
Christian Sepe (Sapienza University of Rome), Barbara Eramo, Marzia Friuli, Nisha Zahid, Anna Maria Giudetti, Francesco Vari, Eleonora Stanca, Marina Damato, Stefano Tacconi, Luisa Siculella, Daniele Vergar, Silvana Gaetani, Adele Romano
- 35) *A nutraceutical approach to prevent metabolic syndrome: comparison between fructose and tagatose rich diets in mouse and rats*
Silvia Sgambellone (University of Florence), Debora Collotta, Silvia Marri, Serafina Villano, Massimo Collino, Laura Lucarini
- 36) *The influence of dietary nucleic acids and their components on the growth and DNA repair ability of human digestive system cells in vitro*
Zuzanna Koziara (Gdansk University of Technology), Agnieszka Bartoszek

Chair: **Nicoletta Brunello** (University of Modena and Reggio Emilia)

- 37) *The orexin 1 receptor antagonist nivasorexant in rat models of highly palatable food intake related to motivation and binge eating*
Michel Alexander Steiner (Idorsia Pharmaceuticals Ltd), Luca Botticelli, Giorgio Bergamini, Emanuela Micioni Di Bonaventura, John Gatfield, Jodi T Williams, Alexander Treiber, Catherine Vaillant, Sean Durkin, Carlo Cifani, Maria Vittoria Micioni Di Bonaventura
- 38) *Evaluation of the leptin signaling in adolescent female rats exposed to the Activity-Based Anorexia model: focus on dorsal and ventral hippocampus*
Sofia Taddini (University of Milan), Giorgia Targa, Beatrice Rizzi, Susanna Parolaro, Francesca Mottarlini, Fabio Fumagalli, Lucia Caffino
- 39) *A close insight into the neuronal proteolytic processing of ghrelin, the hunger hormone*
Daniela Lufrano (University of Camerino, Multidisciplinary Institute of Cell Biology (CICPBA-CONICET-UNLP)), Chunmei Gong, Laura Bonfilii, Valentina Cecarini, Massimiliano Cuccioloni, Mauro Angeletti, Anna Maria Eleuteri
- 40) *Effects of high-quality extra virgin olive oil supplementation on oxidative stress, inflammation and gut microbiota*
Serafina Villano (University of Florence), Silvia Sgambellone, Silvia Marri, Maria Luisa Eliana Luisi, Barbara Biffi, Gustavo Provensi, Chiara Francesca Gheri, Maria Teresa Ceccherini, Laura Lucarini

13:15

Best Oral presentation and Best poster presentation Award ceremony

Awards presented by **Giuseppe Cirino, Maurizio Massi, Giorgio Racagni, Achille Caputi, Giorgio Cantelli Forti, Carlo Riccardi, Luca Steardo**

13:30

Light Lunch

La **SIF** bandisce n. **2 borse di studio** per le migliori Comunicazioni Orali e/o Poster, del valore di € 500,00 (cinquecento/00) lordi cadauna, per i contributi presentati in occasione del Convegno Monotematico e riservate a soci SIF under 38 anni, non strutturati, in regola con il versamento delle quote associative. La premiazione avverrà al termine del Convegno Monotematico e le borse saranno attribuite solo ai vincitori presenti in sala durante la Cerimonia di premiazione, secondo le regole già previste dalla SIF.



Topics

- Mechanisms underlying behavioral and metabolic aspects of obesity and eating disorders
- Homeostatic and rewarding aspects of eating behavior
- Comorbidities in obesity and eating disorders
- Novel pharmacological and non-pharmacological approaches for the treatment of obesity and eating disorders
- Clinical evidence supporting the therapeutic efficacy of novel therapies
- Regulatory aspects of drugs in obesity and eating disorders

The participation to the Meeting is free of charge

The first 120 Young participants (age <38 years) with no academic permanent position that will complete the registration form will be covered for **hotel (double rooms) expenses**

Free transfers from Foligno, Ancona and Civitanova Marche railway stations and Fiumicino and Falconara airports will be organized

Registration link <https://docs.google.com/forms/d/1qFmpkfFCs57nv6chVSObWPM5nRH7J9gkC8k39JWE9Is>

Contacts carlo.cifani@unicam.it - mariavittoria.micioni@unicam.it