

# de Ceglia Marialuisa, Francesca

PhD in Pharmacology and Toxicology

## FORMAZIONE PROFESSIONALE:

### Università degli studi di Bari "Aldo Moro"

Laurea Magistrale in Chimica e Tecnologia Farmaceutiche

Data: 19/07/2017 Voto: 110/110 e lode

Tesi sperimentale in Tecnologia Farmaceutica dal titolo "Nanoparticelle e cancro colonrettale: un approccio innovativo basato sulla terapia con immunoliposomi"; relatore prof. Nunzio Denora.

### Università di Roma "La Sapienza"

Dottorato di ricerca in Farmacologia e Tossicologia

Data: 22/02/2021 Voto: Ottimo con lode, menzione Doctor Europeus

Tutor: Prof. Silvana Gaetani

Titolo tesi: "THE ENDOCANNABINOID SYSTEM AS POSSIBLE TARGET FOR THE TREATMENT OF OBESITY RELATED DISORDERS: BEYOND CANNABINOID RECEPTORS."

Esperienza di 15 mesi come visiting PhD student all' IBIMA- FIMABIS foundation (Malaga)

### Università di Siviglia – Centro di Formazione Permanente

MASTER IN SAGGI CLINICI (18<sup>esima</sup> EDIZIONE)

Data: 01/02/2023 Voto: 8.42/10

## ESPERIENZA LAVORATIVA:

### Ricercatore (livello pre-doc)

IBIMA-FIMABIS FOUNDATION | FEBBRAIO 2021- DICEMBRE 2021

### Ricercatore (livello post-doc junior)

IBIMA-FIMABIS FOUNDATION | GENNAIO 2022 – NOVEMBRE 2023

### Visiting Scientist

UNIVERSITA' DI CAMERINO | SETTEMBRE 2022 – DICEMBRE 2022

## Tecniche e conoscenze acquisite:

- **Tecniche di sperimentazione in vivo:**  
Competenze in sperimentazione preclinica con modelli animali (ratto e topo) in modelli di obesità, binge eating, Alzheimer. Manipolazione, handling, esecuzione di prove comportamentali (open field, elevated plus maze, Y maze, novel object recognition, Morris Water Maze, forced swimming test, tail suspension test). Amministrazione di composti per via subcutanea e intraperitoneale. Conoscenza di tecniche di sacrificio e prelievo di tessuti. Dissezione cerebrale con criostato, matrice, vibratomo.
- **Metodologie biochimiche:**  
Esecuzione di differenti tecniche biochimiche come estrazione di proteine e mRNA, Western blot, ELISA, qPCR, genotyping, HPLC, immunistochemica e immunofluorescenza. Acquisizione di immagini al microscopio in campo chiaro e in fluorescenza. Preparazione di immunoliposomi, rudimenti di saggi cellulari, sintesi organica e purificazione cromatografica di composti.
- **Competenze informatiche:**  
Uso di diversi tipi di software per analisi dei dati e statistica (GraphPad Prism, SPSS, IMAGEJ); uso del pacchetto Office (PowerPoint, Excel, Word).
- **Competenze linguistiche:**  
Inglese (livello C1), spagnolo (livello C1).
- Esperienza nella preparazione di report, abstract, presentazioni scientifiche, materiale informativo; scrittura e revisione di articoli scientifici, tesi, progetti, grants. Presentazione di poster e comunicazioni orali a congressi nazionali ed internazionali. Organizzazione delle attività sperimentali e tutoraggio di studenti per tesi di laurea triennale e magistrale, tirocini curriculari e formazione di tecnici di laboratorio.
- Abilitazione alla professione di farmacista.

*Le seguenti pagine del CV contengono pubblicazioni, presentazioni a congressi, premi, progetti di ricerca ottenuti.*

## PUBBLICAZIONI:

1. Galeano P, **de Ceglia M**, Mastrogiovanni M, Campanelli L, Medina-Vera D, Campolo N, Novack GV, Rosell C, Suarez J, Aicardo A, Campuzano K, Castano EM, Cuello AC, Bartesaghi S, Radi R, Rodriguez de Fonseca F, Morelli L. **The effect of increased fat intake rich in polyunsaturated fatty acids (PUFA) on Alzheimer's disease pathogenesis in rat and mouse models.** International Journal of Molecular Sciences. 2023 Nov 20
2. Tovar R\*, **de Ceglia M\***, Ubaldi M, Rodríguez-Pozo M, Soverchia L, Cifani C, Rojo G, Soriguer F, Gavito A, Hernandez-Folgado L, Jagerovic N, Ciccocioppo R, Baixeras E, Rodriguez de Fonseca F, Decara J. **Administration of linoleoylethanolamide, a natural acylethanolamide derived of linoleic acid, reduced weight gain, dyslipidemia and inflammation associated with high fat diet-induced obesity.** Nutrients. 2023 Oct 20.
3. **de Ceglia M\***, Micioni di Bonaventura MV\*, Romano A, Friuli M, Micioni di Bonaventura E, Gavito AL, Botticelli L, Gaetani S, Rodriguez-de Fonseca F, Cifani C. **Anxiety associated with palatable food withdrawal is reversed by FAAH inhibition: a regional analysis of the contribution of endocannabinoid signalling machinery.** International Journal of Eating Disorders. 2023 Feb 25. doi: 10.1002/eat.23917.
4. Melgar Locatelli S\*, **de Ceglia M\***, Manas Padilla MC, Rodriguez Perez C, Castilla Ortega E, Castro Zavala A, Rivera P. **Nutrition and adult neurogenesis in the hippocampus: does what you eat help you remember?** Frontiers in Neuroscience. 2023 Feb 23;17:1147269.
5. Ruiz-Viroga V\*, **de Ceglia M\***, Morelli L, Castaño EM, Blanco Calvo E, Suárez J, Rodríguez de Fonseca F, Lagos P. **Acute intrahippocampal MCH administration in rats impairs memory consolidation in two hippocampal-dependent tasks.** Prog Neuropsychopharmacol Biol Psychiatry. 2022 Dec 21; 123:110703.
6. Navarro JA, Decara J, Medina-Vera D, Tovar R, Lopez-Gambero A, Suarez J, Pavón FJ, Serrano A, **de Ceglia M**, Sanjuan C, Baltasar YA, Baixeras E, Rodríguez de Fonseca F. **Endocrine and Metabolic Impact of Oral Ingestion of a Carob-Pod-Derived Natural-Syrup-Containing D-Pinitol: Potential Use as a Novel Sweetener in Diabetes.** Pharmaceuticals. 2022, Aug.
7. López-Gambero A, Pacheco-Sánchez B, Rosell-Valle C, Medina-Vera D, Navarro JA, Fernández-Arjona M, **de Ceglia M**, Sanjuan C; Rivera P, Rodríguez de Fonseca F. **Dietary administration of D-Chiro-inositol attenuates sex-specific metabolic imbalances in the 5xFAD mouse model of Alzheimer's Disease.** Biomedicine and Pharmacotherapy. 2022 Jun; 150:112994.
8. **de Ceglia M**, Decara J, Gaetani S, Rodríguez de Fonseca F. **Obesity as a Condition Determined by Food Addiction: Should Brain Endocannabinoid System Alterations Be the Cause and Its Modulation the Solution?** Pharmaceuticals 2021, 14, 1002.
9. Conte E, Romano A, De Bellis M, **de Ceglia M**, Rosaria Carratù M, Gaetani S, Maqoud F, Tricarico D, Camerino C. **Oxtr/TRPV1 expression and acclimation of skeletal muscle to cold-stress in male mice.** J Endocrinol. 2021 May;249(2):135-148.
10. Romano A, Micioni Di Bonaventura MV, Gallelli CA, Koczwara JB, Smeets D, Giusepponi ME, **de Ceglia M**, Friuli M, Micioni Di Bonaventura E, Scuderi C, Vitalone A, Tramutola A, Altieri F, Lutz TA,

Giudetti AM, Cassano T, Cifani C, Gaetani S. **Oleoylethanolamide decreases frustration stress-induced binge-like eating in female rats: a novel potential treatment for binge eating disorder.** *Neuropsychopharmacology*. 2020 Oct;45(11):1931-1941.

11. Gallelli CA, Calcagnini S, Romano A, Koczwara JB, **de Ceglia M**, Dante D, Villani R, Giudetti AM, Cassano T, Gaetani S. **Modulation of the Oxidative Stress and Lipid Peroxidation by Endocannabinoids and Their Lipid Analogues.** *Antioxidants (Basel)*. 2018 Jul 18;7(7):93.

#### ***In processo di revisione:***

- Fernández-Arjona MdM, Navarro JA, López-Gamero AJ, **de Ceglia M**, Rodríguez M, Rubio L, Rodríguez de Fonseca F, Barrios V, Chowen JA, Argente J, Rivera P, Suarez J. **Sex-based differences in growth-related IGF1 signaling in response to PAPP-A2 deficiency: comparative effects of rhGH, rhIGF1 and rhPAPP-A2 treatments.** *Biology of sex differences* (submission code: BOSD-D-23-00238)

- Tovar R\*, **de Ceglia M\***, Rodriguez-Pozo M, Vargas A, Suarez J, Rodriguez de Fonseca F, Baixeras E, Decara J. **Hydroxytyrosol linoleoyl ether ameliorates Non-alcoholic fatty liver disease symptoms in Obese Zucker rats.** *Chemico-biological Interactions* (submission code: CHEMBIOINT-D-23-02718)

- **de Ceglia M\***, Romano A\*, Micioni Di Bonaventura MV, Gavito AL, Botticelli L, Micioni Di Bonaventura E, Friuli M, Cifani C, Gaetani S, Rodriguez de Fonseca F. **Cafeteria diet abstinence provokes depressive-like behavior and disrupts the expression of endocannabinoid signaling-related proteins in dopaminergic brain areas: a preclinical study in rats.** *International Journal of Eating Disorders* (submission code: IJED-23-0723)

#### **SIMPOSI:**

- 7th Mediterranean Neuroscience Conference: "THE SELECTIVE INHIBITION OF FAAH AMELIORATES COGNITIVE DECLINE, DEPRESSIVE-LIKE SYMPTOMS AND NEUROPATHOLOGICAL ALTERATIONS IN A MURINE MODEL OF ALZHEIMER'S DISEASE" (T. Cassano, S. Calcagnini, G. Bedse, M. Lavecchia, A. Caruso, S. Scaccianoce, **M. de Ceglia**, C. A. Gallelli, M. Friuli, A. Romano, S. Gaetani)

#### **PRESENTAZIONI ORALI:**

- 39° Congresso Nazionale della Società Italiana di Farmacologia: "CHRONIC INHIBITION OF FATTY ACID AMIDE HYDROLASE. THE ALZHEIMER-LIKE PHENOTYPE IN 3xTG-AD MICE" (T. Cassano, S. Calcagnini, G. Bedse, M. Lavecchia, A. Caruso, S. Scaccianoce, **M. de Ceglia**, C.A. Gallelli, M. Friuli, A. Romano, Silvana Gaetani)
- SINS PhD national meeting "New perspectives in Neuroscience: Research Results of Young Italian Neuroscientists": "DEPRESSION AND ANXIETY AS OBESITY-RELATED COMORBIDITIES: POSSIBLE PROTECTIVE EFFECTS OF ACYLETHANOLAMIDES" (**M. de Ceglia**, A. Romano, M. V. Micioni Di Bonaventura, M. E. Giusepponi, C. A. Gallelli, J. B. Koczwara, E. Micioni Di Bonaventura, T. Cassano, C. Cifani, S. Gaetani)

- *ISN-ESN Meeting 2023: “IMPACT OF WESTERN DIET OR D-PINITOL IN COGNITIVE BEHAVIOUR AND HIPPOCAMPAL PROTEIN EXPRESSION OF 5xFAD ALZHEIMER MOUSE MODEL”* (**M. de Ceglia**, D. Medina-Vera, C. Rosell-Valle, A. Lopez-Gambero, J.A. Navarro, J. Suarez, F. Rodriguez de Fonseca)

## POSTER:

- *IV Congreso Internacional sobre Prevención, Tratamiento y Control del Consumo de Cannabis y sus derivados: “IMPACT OF ETHANOL AND FRUCTOSE INTAKE ON THE ENDOCANNABINOID SYSTEM UNDER CONDITIONS OF SOCIAL STRESS”* (Reguillon Romero MD, Aledòn Català T, **de Ceglia M**, Serrano A, Rodriguez de Fonseca F, Minarro J, Rodirugez Arias M).
- *Sociedad Argentina de Neurociencias 2023: “STUDY OF MELANIN-CONCENTRATING HORMONE (MCH) AND GLUTAMATERGIC SYSTEMS IN THE STREPTOZOTOCIN (STZ)- INDUCED ALZHEIMER’S DISEASE (AD) MODEL IN MALE RATS”* (Nino-Rivero S, **de Ceglia M**, Gavito A, Rodriguez de Fonseca F, Urbanavicius J, Lagos P)
- *Sociedad Argentina de Neurociencias 2023: “ACUTE INTRAHIPPOCAMPAL MCH ADMINISTRATION IN RATS IMPAIRS MEMORY CONSOLIDATION IN TWO HIPPOCAMPAL-DEPENDENT TASKS”* (Ruiz-Viroga V, **de Ceglia M**, Morelli L, Castaño EM, Blanco Calvo E, Suárez J, Rodríguez de Fonseca F, Lagos P)
- *Energy Balance in metabolic disorders 2022: “ENDOCRINE AND METABOLIC IMPACT OF ORAL INGESTION OF A CAROB-POD-DERIVED NATURAL-SYRUP CONTAINING D-PINITOL: POTENTIAL USE AS A NOVEL SWEETENER IN DIABETES”* (Navarro JA, Decara J, Medina-Vera D, Tovar R, Lopez-Gambero A, Suarez J, Pavón FJ, Serrano A, **de Ceglia M**, Sanjuan C, Baltasar YA, Baixeras E, Rodríguez de Fonseca F)
- *ESPE 2022: “HIGH CARBOHYDRATE DIET RESULTS IN SEX-SPECIFIC DIFFERENCES IN ENERGY HOMEOSTASIS IN MICE WITH PAPP2 DEFICIENCY”* (A. Lopez-Gambero, M.D.M. Fernandez-Arjona, L. Rubio, **M. de Ceglia**, P. Rivera, A. Vargas, C. Vera-Fernandez, F. Rodriguez de Fonseca, J.A. Chowen, J. Argente, J. Suarez)
- *EuroPhysiology: “ALTERED ENERGY HOMEOSTASIS AND HEPATIC LIPID METABOLISM IN MICE WITH PAPP2 DEFICIENCY ARE DIFFERENTLY AFFECTED BY A HIGH CARBOHYDRATE DIET IN A SEX-SPECIFIC MANNER”* (A. Lopez-Gambero, M.D.M. Fernandez-Arjona, L. Rubio, **M. de Ceglia**, P. Rivera, A. Vargas, C. Vera-Fernandez, F. Rodriguez de Fonseca, J.A. Chowen, J. Argente, J. Suarez)
- *AD/PD 2022:*
  - “STUDY OF METABOLISM AND EMOTIONAL BEHAVIOUR IN WILD TYPE AND 5xFAD TRANSGENIC ALZHEIMER’S MOUSE MODEL CONSUMING WESTERN DIET” (**M. de Ceglia**, D. Medina-Vera, C. Rosell-Valle, A.Lopez-Gambero, J.A. Navarro-Galera, J. Suarez, F. Rodriguez de Fonseca)
  - “INFLUENCE OF WESTERN DIET AND ALZHEIMER’S DISEASE GENES IN NEURODEGENERATION, INFLAMMATION AND MEMORY FUNCTION” (D. Medina-Vera, **M. de Ceglia**, C. Rosell-Valle, A.Lopez-Gambero, J.A. Navarro-Galera, J. Suarez, F. Rodriguez de Fonseca)
- *20ª Reunión anual de la Sociedad Española de Investigación sobre Cannabinoides: “SEX – DIMORPHIC VARIATIONS IN BRAIN EXPRESSION OF THE ENDOCANNABINOID SYSTEM IN U12 INTRON SPLICING DEFECTIVE ZRSR1 MUTANT MICE”* (**M. de Ceglia**, F. Alén, P. Rivera, I. Gómez-Redondo, J. Suárez, P. Ramos-Ibeas, E. Pericuesta, R. Fernández-González, S. Perez-Cerezales, A. Gutiérrez-Adán, F. Rodriguez

de Fonseca)

- *19th National congress of Italian Society for Neuroscience:*
  - “SEX – DIMORPHIC VARIATIONS IN BRAIN EXPRESSION OF THE ENDOCANNABINOID SYSTEM IN U12 INTRON SPLICING DEFECTIVE ZRSR1 MUTANT MICE” (**M. de Ceglia**, F. Alén, P. Rivera, I. Gómez-Redondo, J. Suárez, P. Ramos-Ibeas, E. Pericuesta, R. Fernández-González, S. Perez-Cerezales, A. Gutiérrez-Adán, F. Rodriguez de Fonseca)
  - “EFFECTS OF OLEOYLETHANOLAMIDE IN A PRE-CLINICAL RODENT MODEL OF DIET-INDUCED OBESITY: FROM THE MODULATION OF EATING AND METABOLISM TO NEUROPROTECTIVE PROPERTIES” (B. Eramo, M. Friuli, **M. de Ceglia**, C.A. Gallelli, J.B. Koczwara, M.V. Micioni di Bonaventura, C. Cifani, A. Romano, S. Gaetani)
- *40th National congress of Italian Pharmacology Society:*
  - “PHARMACOLOGICAL INHIBITION OF FAAH REDUCES DEPRESSIVE-LIKE AND ANXIETY-LIKE BEHAVIOURS INDUCED BY THE ABSTINENCE FROM A CAFETERIA-STYLE DIET” (**M. de Ceglia**, A. Romano, M. Friuli, M. V. Micioni Di Bonaventura, L. Botticelli, C. A. Gallelli, J. B. Koczwara, A. L. Gavito, E. Micioni Di Bonaventura, T. Cassano, F. Rodriguez de Fonseca, C. Cifani and S. Gaetani)
  - “INVOLVEMENT OF THE CENTRAL OXYTOCINERGIC SYSTEM IN ABERRANT FOOD INTAKE: POSSIBLE EFFECTS OF ACYLETHANOLAMIDES” (M. Friuli, A. Romano, M. V. Micioni Di Bonaventura, L. Botticelli, **M. de Ceglia**, C. A. Gallelli, J. B. Koczwara, E. Micioni Di Bonaventura, C. Cifani and S. Gaetani)
- *FENS FORUM 2020: “POSSIBLE PROTECTIVE EFFECTS OF FAAH INHIBITION ON NEUROFUNCTIONAL ALTERATIONS ASSOCIATED WITH DEPRESSIVE-LIKE AND ANXIETY-LIKE BEHAVIORS INDUCED BY THE ABSTINENCE FROM A HIGH-CALORIC-HIGH-PALATABLE DIET CAUSING OBESITY”* (**M. de Ceglia**, A. Romano, M. Friuli, M. V. Micioni Di Bonaventura, M. E. Giusepponi, C. A. Gallelli, J. B. Koczwara, A. L. Gavito, E. Micioni Di Bonaventura, T. Cassano, F. Rodriguez de Fonseca, C. Cifani and S. Gaetani)
- *20ª Reunión anual de la Sociedad Española de Investigación sobre Cannabinoides: “DEPRESSION AND ANXIETY AS OBESITY-RELATED COMORBIDITIES: POSSIBLE PROTECTIVE EFFECTS OF ACYLETHANOLAMIDES”* (**M. de Ceglia**, A. Romano, M. Friuli, M. V. Micioni Di Bonaventura, M. E. Giusepponi, C. A. Gallelli, J. B. Koczwara, A. L. Gavito, E. Micioni Di Bonaventura, T. Cassano, F. Rodriguez de Fonseca, C. Cifani and S. Gaetani)
- *SINS PhD national meeting “New perspectives in Neuroscience: Research Results of Young Italian Neuroscientists”:* “EFFECTS OF OLEOYLETHANOLAMIDE ON THE BRAIN CIRCUMVENTRICULAR ORGANS: NOVEL INSIGHTS ON OEA ANTI-OBESITY EFFECTS” (M.Friuli, **M. de Ceglia**, C.A. Gallelli, J.B. Koczwara, A. Romano, Giulio G. Muccioli and S. Gaetani)
- *ECTS CONGRESS 2019: “OXYTOCIN-INCREASE IN BONE, SOLEUS MUSCLE AND HYPOTHALAMIC PARAVENTRICULAR NUCLEI REGULATES THE RESPONSE TO COLD STRESS IN MICE EXERTING PHENOTYPE-DEPENDENT PROTECTIVE EFFECTS TOWARDS SLOW-TWITCH MUSCLE”* (C. Camerino, E. Conte, A. Romano, **M. de Ceglia**, M. R. Carratù, S. Gaetani, D. Tricarico)
- *21st SIF SEMINAR:*

- "EFFECTS OF SUBDIAPHRAGMATIC DEAFFERENTATION ON OLEOYLETHANOLAMIDE INDUCED FOS EXPRESSION IN THE BRAIN" (**M. de Ceglia**, J.B. Koczwara, C.A. Gallelli, E.K. Azari, M. Arnold, A. Romano and S. Gaetani)
- "ANTI-OBESITY EFFECTS OF OLEOYLETHANOLAMIDE: FROM GUT MICROBIOTA TO KEY BRAIN GENES" (J. B. Koczwara, M. Rastelli, C. A. Gallelli, **M. De Ceglia**, O. Guillemot-Legriss, M. V. Micioni di Bonaventura, A. Everard, C. D'Addario, P. D. Cani, A. Romano, S. Gaetani)
- "THE SELECTIVE INHIBITION OF FAAH AMELIORATES COGNITIVE DECLINE, DEPRESSIVE-LIKE SYMPTOMS AND NEUROPATHOLOGICAL ALTERATIONS IN A MURINE MODEL OF ALZHEIMER'S DISEASE" (S. Calcagnini, G. Bedse, M. Lavecchia, A. Caruso, S. Scaccianoce, **M. De Ceglia**, C. A. Gallelli, A. Romano, T. Cassano, S. Gaetani)
- *28th Annual Symposium of the International Cannabinoid Research Society (ICRS): "THE SELECTIVE INHIBITION OF FAAH AMELIORATES COGNITIVE DECLINE, DEPRESSIVE-LIKE SYMPTOMS AND NEUROPATHOLOGICAL ALTERATIONS IN A MURINE MODEL OF ALZHEIMER'S DISEASE"* (S. Calcagnini, G. Bedse, M. Lavecchia, A. Caruso, S. Scaccianoce, **M. De Ceglia**, C. A. Gallelli, A. Romano, T. Cassano, S. Gaetani)
- *SINS PhD national meeting "New perspectives in Neuroscience: The Researches of Young Italian Neuroscientists": "ANTI-OBESITY EFFECTS OF OLEOYLETHANOLAMIDE IN A RODENT MODEL OF DIET INDUCED OBESITY"* (**M. de Ceglia**, A. Romano, M. Rastelli, A. Everard, J.B. Koczwara, C.A. Gallelli, P.D. Cani and S. Gaetani)

## PROGETTI DI RICERCA:

### Partecipante:

- **PI22/00427**: Papel del BDNF y las aciletanolamidas en el deterioro cognitivo asociado a los trastornos por uso de alcohol: un estudio traslacional. Junta de Andalucía. Fernando Rodriguez de Fonseca. (FIMABIS - IBIMA). 01/2023 – 12/2025. 208.120 €
- **RD16/0017/0001**: Red de Trastornos Adictivos. Instituto de Salud Carlos III. Fernando Rodriguez de Fonseca. (FIMABIS - IBIMA). 17/01/2022-16/01/2023. 598.900 €.
- **PI19/00343**: Estudio de nuevos factores del sistema GH/IGF: análisis de mecanismos moleculares que regulan crecimiento y metabolismo mediante PAPP-A2 y desarrollo de nuevas terapias. Instituto de Salud Carlos III. Juan Suarez Perez. (FIMABIS - IBIMA). 13/09/2021-12/12/2021. 105.270 €
- **RTC2019-007329-1**: Obtención de principios activos antioxidantes a partir de la vaina del algarrobo y validación de su potencial terapéutico. Ministerio de Ciencia e Innovación. Fernando Rodriguez de Fonseca. (FIMABIS - IBIMA). 02/2021- 08/2021. 116.938 €.
- High fat diet, microbiota and neuroinflammation in the progression of Alzheimer disease. EULAC-HEALTH H2020. Fernando Rodriguez de Fonseca. (FIMABIS-IBIMA). 01/09/2019-31/12/2020. 150.000 €

- Fatty acid amide hydrolase (faah) inhibition as novel potential approach for the treatment of Alzheimer's disease. Università la Sapienza di Roma. Silvana Gaetani. (Università la Sapienza di Roma). 01/01/2018-31/12/2018. 33.800 €.

### **RICERCATORE RESPONSABILE (PI):**

- **POSTDOCTORAL JUNIOR FELLOWSHIP RH0081-2021.** Marialuisa de Ceglia. (Junta de Andalucía). 17/05/2022-16/11/2023. 68.670 €

### **PREMI RICEVUTI:**

- 02/2023: ESN Young Member Symposium (YMS) Travel Award
- 05/2022: Junta de Andalucía, contratto post doc junior
- 09/2021: Borsa di studio per il conseguimento del master in Saggi Clinici, Università di Siviglia
- 03/2021: Best poster award al 40° Congresso Nazionale SIF
- 07/2020: FENS-IBRO/PERC grant per la partecipazione al FENS Forum 2020
- 07/2020: SINS grant per la partecipazione al FENS Forum 2020
- 09/2020: IBRO/PERC InEurope Short Stay Grant fellowship
- 12/2019: borsa di studio Erasmus+ Unipharma Graduates
- 10/2019: Travel grant SEIC per la partecipazione al 20° congresso SEIC
- 08/2019: Borsa di studio SIF per periodo di ricerca all'estero
- 09/2018: Best Poster Award al XXI SIF SEMINAR
- 07/2018: Grant SIF per la partecipazione alla CISSN 2018
- 2017-2020: Borsa MIUR per la realizzazione degli studi di dottorato
- 2012-2017: Borsa di studio ADISU per la realizzazione di studi universitari
- 2012-2018: Borsa di studio "Opera Pia per il futuro degli studenti"

