

CURRICULUM VITAE

PERSONAL INFORMATION

Name, Surname

Pamela, Santonicola

WORK EXPERIENCE

Dates	<u>From November 2016 to October 2022</u>
Name and address of employer	P.I. Dr. Elia Di Schiavi, Institute of Biosciences and BioResources of CNR, Via P. Castellino, 111, 80131 Naples, Italy Research
Type of business or sector	
Occupation or position held	Post Doc in Neurobiology of nematodes
Main activities and responsibilities	I'm using the model system <i>C. elegans</i> to study liposomes and different types of Extracellular vesicles (EVs) bioactivity, toxicity and biodistribution <i>in vivo</i> . I'm working on Spinal Muscular Atrophy and Alzheimer disease models in <i>C. elegans</i> to identify new pharmacological targets and neuroprotective genes.
Dates	<u>From January 2016 to August 2016</u>
Name and address of employer	P.I. Dr. Adele Adamo, Institute of Biosciences and BioResources of CNR, Via P. Castellino, 111, 80131 Naples, Italy Research
Type of business or sector	
Occupation or position held	Post Doc in Genome Instability
Main activities and responsibilities	I studied the genetic interaction between <i>fcd-2</i> , <i>FANCD2</i> ortholog, and <i>cbs-2</i> , cystathionine beta synthase, in the model system <i>C. elegans</i> demonstrating <i>cbs-2</i> involvement in apoptosis in <i>C. elegans</i> germline.
Dates	<u>From November 2012 to December 2015</u>
Name and address of employer	P.I. Dr. Adriana La Volpe, University Vanvitelli, Viale Abramo Lincoln n. 5 - 81100 Caserta Institute of Biosciences and BioResources of CNR, Via P. Castellino, 111, 80131 Naples, Italy Research
Type of business or sector	
Occupation or position held	PhD with fellowship in Molecular and Cellular Biotechnologies
Main activities and responsibilities	I worked on <i>C. elegans</i> as model system to study the genome instability during meiosis. I studied the interaction of DNA repair pathways (in particular Homologous Recombination and Non Homologous End Joining) after genotoxic insults in cancer predisposed mutated backgrounds.
Dates	<u>From July 2012 to November 2012</u>
Name and address of employer	P.I. Dr. Anna Digilio, Institute of Genetics and Biophysics of CNR, Via P. Castellino, 111, 80131 Naples, Italy Research
Type of business or sector	
Occupation or position held	Post-graduate fellowship in Genetics and Molecular Biology
Main activities and responsibilities	I worked on <i>D. melanogaster</i> as model for human Retinitis Pigmentosa, using molecular biology and optical microscopy techniques to study transgenic fruit flies phenotypes.
Dates	<u>From July 2010 to July 2012</u>
Name and address of employer	P.I. Dr. Anna Digilio, Institute of Genetics and Biophysics of CNR, Via P. Castellino, 111, 80131 Naples, Italy Research
Type of business or sector	
Occupation or position held	Internship for MSc degree in Advanced Genetics
Main activities and responsibilities	I studied the homolog of human Prp8 in <i>D. melanogaster</i> during eye development, using RNAi and <i>in situ</i> hybridisation techniques, and its role in adult eyes demonstrating a reduction of light response in vision test and the degeneration of photoreceptors with aging.

EDUCATION AND TRAINING

Dates
Name and type of organisation
providing education and training
Title of qualification awarded

May 2018
University Giustino Fortunato (certificate n. 3771/2018).

24 CFU FIT

Dates
Name and type of organisation
providing education and training
Principal subjects occupational
skills covered
Title of qualification awarded

From 2012 to 2015
University Vanvitelli, Caserta

Genetics, Molecular biology, Human genetics, Biochemistry

PhD in Molecular and Cellular Biotechnologies

Dates
Name and type of organisation
providing education and training
Principal subjects occupational
skills covered
Title of qualification awarded

From 2009 to 2012
University of Naples "Federico II" and IGB – CNR, Naples

Genetics, Molecular biology, Immunology, Human genetics, Biochemistry

MSc in Molecular Biology
105/110

Dates
Name and type of organisation
providing education and training
Principal subjects occupational
skills covered
Title of qualification awarded

From 2005 to 2009
University of Naples "Federico II", Naples

Chemistry, Biochemistry, Genetics, Molecular biology, Physiology

BSc in General and Applied Biology

Project participation

- **BOW FET-Proactive-UE** grant agreement N° 952183. "Biogenic Organotropic Wetsuits" Coordinator Dr. P. Bergese. (Postdoc fellowship protocol n. 0005509/2021 16/09/2021 CNR IBBR. *Related publications*: Picciotto*, Santonicola* et al. 2022; Romano et al., submitted)
- **Telethon** project "Studio *in vivo* dei siti di contatto tra complesso del Golgi e reticolo endoplasmatico". Coordinator Dr. A. De Matteis. (Occasional provision of services, TMADP62ASLA, 09/2021 Tigem Telethon institute. *Paper in preparation*)
- **SMAeurope** Operating Grant 2019 22757. "A network-biology based approach for the development of SMN-independent treatments". Coordinator Dr. P. Claus Coordinator UO Dr. E. Di Schiavi. (*Related publications*: Hensel et al. 2021; Rademacher et al. 2020).
- **CNR/RFBR Joint Bilateral Agreement 2018** Operating Grant 18-515-7811. "Targeting mitochondria for drug discovery against copper toxicity". Coordinatore Dr. E. Di Schiavi. (*Paper in preparation*).
- **Ves4Us H2020-FETOPEN-UE** grant agreement N° 801338. "Extracellular vesicles from a natural source for tailored nanomaterials" Coordinatore Dr. A. Bongiovanni. (Postdoc fellowship protocols n. 0001381/2021 04/03/2021, n. 0005463/2020 07/09/2020, n. 0006421/2019 11/09/2019 released from CNR IBBR. *Related publications*: Adamo et al. 2021; Picciotto et al. 2021).
- **Telethon** GGP16203 2016-19. "Identification of new druggable targets and potential therapeutic compounds for Spinal Muscular Atrophy, using a *C.elegans* model of neurodegeneration". Coordinatore Dr. E. Di Schiavi. (Postdoc fellowship protocols n. 0002024 14/03/2019, n. 0002114 08/03/2018, n.0002223 13/03/2017 released from CNR IBBR. *Related publications*: Chen et al., 2022; Drongitis et al. 2022; Mazzearella et al., 2019; Rizzo et al., 2019; de Carlos Cáceres et al., 2018).
- **Telethon** GGP11076 2011-16. "New pharmacological targets for Fanconi Anemia". Coordinatore Dr. A. La Volpe; (Occasional provision of services protocol n° 0004196 10/05/2016 released from CNR IBBR. *Related publications*: Santonicola et al. 2020).
- **AIRC** IG11422 2011-16. "Cisplatin sensitivity/tolerance/resistance genetic pathways in hereditary cancer predisposition" Coordinatore Dr. A. La Volpe. (PhD fellowship D.R. n.504 del 06/05/2013, protocol n.0001458 13/04/2016 released from IGB – CNR, protocol

n.0006457 05/09/2018 released from IBBR – CNR. *Related publications*: Germoglio et al., 2020; Silva et al., 2013).

▪ **qPMO** (quality and Project Management Openlab) FaReBio di Qualità -Farmaci e reti Biotechnologiche di Qualità. Ministero dell'Economia. Coordinatore Dr. Annamaria Kisslinger

Books and Articles

- "TGS1 impacts snRNA 3'-end processing, ameliorates survival motor neuron-dependent neurological phenotypes in vivo and prevents neurodegeneration". L. Chen, C. Roake, P. Maccallini, F. Bavasso, R. Dehghannasiri, **P. Santonicola**, N. Mendoza-Ferreira, L. Scatolini, L. Rizzuti, A. Esposito, I. Gallotta, S. Francia, S. Cacchione, A. Galati, V. Palumbo, M.A. Kobin, G.G. Tartaglia, A. Colantoni, G. Proietti, Y. Wu, M. Hammerschmidt, C. De Pittà, G. Sales, J. Salzman, L. Pellizzoni, B. Wirth, E. Di Schiavi, M. Gatti, S. Artandi, G. D. Raffa. *NAR*. 2022 Aug. doi: 10.1093/nar/gkac659. IF 2021:19.160
- "Extracellular Vesicles from Microalgae: Uptake Studies in Human Cells and *Caenorhabditis elegans*". S. Picciotto*, **P. Santonicola***, A. Paterna, E. Rao, S. Raccosta, D.P. Romancino, R. Noto, N. Touzet, M. Manno, E. Di Schiavi, A. Bongiovanni, G. Adamo. *These authors equally contributed to the work. *Front Bioeng Biotechnol*. 2022 Mar doi: 10.3389/fbioe.2022.830189. IF2021: 6.064. *authors equally contributed to the work.
- "Deregulation of microtubule organization and RNA metabolism in Arx models for lissencephaly and developmental epileptic encephalopathy". D. Drongitis, M. Caterino, L. Verrillo, **P. Santonicola**, M. Costanzo, L. Poeta, B. Attianese, A. Barra, G. Terrone, M.B. Lioi, S. Paladino, E. Di Schiavi, V. Costa, M. Ruoppolo, M.G. Miano. *Hum Mol Genet*. 2022 Jun doi:10.1093/hmg/ddac028. IF: 5.121
- "Nanoalgaosomes: Introducing extracellular vesicles produced by microalgae". G. Adamo, D. Fierli, D. Romancino, S. Picciotto, M. Barone, A. Aranyos, D. Božič, S. Morsbach, S. Raccosta, C. Stanly, C. Paganini, M. Gai, A. Cusimano, V. Martorana, R. Noto, R. Carrotta, F. Librizzi, L. Randazzo, R. Parkes, U. Capasso Palmiero, E. Rao, A. Paterna, **P. Santonicola**, A. Iglič, L. Corcuera, A. Kisslinger, E. Di Schiavi, G. Liguori, K. Landfester, V. Kralj-Iglič, P. Arosio, G. Pocsfalvi, N. Touzet, M. Manno, A. Bongiovanni. *J Extracell Vesicles*. 2021 Apr. doi: 10.1002/jev2.12081. IF2021: 17.337
- "An impaired neurotrophic signaling hub contributes to motoneuron degeneration in Spinal Muscular Atrophy". N. Hensel, F. Cieri, **P. Santonicola**, I. Tapken, T. Schüning, M. Taiana, E. Pagliari, A. Joseph, S. Fischer, N. Heidrich, H. Brinkmann, S. Kubinski, K. Jung, S. Corti, E. Di Schiavi and P. Claus. *Proc Natl Acad Sci U S A*. 2021 May 4. doi: 10.1073/pnas.2007785118. IF2021: 12.779
- "Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds". S. Picciotto, M. E Barone, D. Fierli, A. Aranyos, G. Adamo, D. Božič, D. P Romancino, C. Stanly, R. Parkes, S. Morsbach, S. Raccosta, C. Paganini, A. Cusimano, V. Martorana, R. Noto, R. Carrotta, F. Librizzi, U. Capasso Palmiero, **P. Santonicola**, A. Iglič, M. Gai, L. Corcuera, A. Kisslinger, E. Di Schiavi, K. Landfester, G. L Liguori, V. Kralj-Iglič, P. Arosio, G. Pocsfalvi, M. Manno, N. Touzet, A. Bongiovanni. *Biomater Sci*. 2021 Feb 23. doi: 10.1039/d0bm01696a. IF2021: 7.59
- "Functional characterization of *Caenorhabditis elegans* cbs-2 gene during meiosis". **P. Santonicola**, M. Germoglio, D. Scotto d'Abbusco & A. Adamo. *Sci Rep*. 2020 Dec 1. doi: 10.1038/s41598-020-78006-w. IF2021: 4.997
- "A Single Amino Acid Residue Regulates PTEN-Binding and Stability of the Spinal Muscular Atrophy Protein SMN". S. Rademacher, N. T Detering, T. Schüning, R. Lindner, **P. Santonicola**, I. Wefel, J. Dehus, L. M Walter, H. Brinkmann, A. Niewianda, K. Janek, M. A Varela, M. Bowerman, E. Di Schiavi, P. Claus. *Cells*. 2020 Nov 3. doi:10.3390/cells9112405. IF2021: 7.666
- "In vivo analysis of FANCD2 recruitment at meiotic DNA breaks in *Caenorhabditis elegans*". M. Germoglio, A. Valenti, I. Gallo, C. Forenza, **P. Santonicola**, N. Silva, A. Adamo. *Sci Rep*. 2020 Jan 9. doi: 10.1038/s41598-019-57096-1. IF2021: 4.997
- "Green kiwifruit extracts protect motor neurons from death in a spinal muscular atrophy model in *Caenorhabditis elegans*." N. Mazzarella, I. Giangrieco, S. Visone, **P. Santonicola**, J. Achenbach, G. Zampi, M. Tamburrini, E. Di Schiavi, M. A. Ciardiello. *Food Sci Nutr*. 2019 Jun 17. doi: 10.1002/fsn3.1078. eCollection 2019 Jul. IF2021: 3.553
- "Key role of SMN/SYNERP and RNA-Motif 7 in SMA: RNA-Seq and motif analysis of Human motor neurons." F. Rizzo, M. Nizzardo, S. Vashisht, E. Molteni, V. Melzi, M. Taiana, S. Salani, **P. Santonicola**, E. Di Schiavi, M. Bucchia, A. Bordoni, I. Faravelli, N. Bresolin, G.P. Comi, U. Pozzoli and S. Corti. *Brain*. 2019 Feb 1. doi: 10.1093/brain/awy330. IF2021: 15.255
- "Automated Screening of *C. elegans* Neurodegeneration Mutants Enabled by Microfluidics and Image Analysis Algorithms." I. de Carlos Cáceres, D. Porto, I. Gallotta, **P.**

Santonicola, J. Rodríguez-Cordero, H. Lu, E. Di Schiavi. *Integr Biol (Camb)*. 2018 Sep 17. doi: 10.1039/c8ib00091c. IF2021: 3.177

▪ "Characterization of *smn-1* genetic interactors in a *C.elegans* SMA model" **P.**

Santonicola, I. Gallotta, G. Zampi, E. Di Schiavi. *BMC Neuroscience*. 2018 Nov. doi: 10.1186/s12868-018-0466-4

▪ "Pro-crossover factors regulate damage-dependent apoptosis in the *Caenorhabditis elegans* germ line". N. Silva, A. Adamo, **P. Santonicola**, E. Martinez-Perez, A. La Volpe. *Cell Death Differ*. 2013 Sep. doi: 10.1038/cdd.2013.68. Epub 2013 Jul 5. IF2021: 12.073

Additional information

Technical report

Technical report "L'implementazione della facility di Microscopia avanzata per lo studio e l'elaborazione di immagini ad alta risoluzione presso l'IBBR – UOS di Napoli". (Protocol n. 0002866/2022 09/05/2022 released from CNR IBBR.)

Professional qualification

Order of Italian Journalists 29/09/2014

IBBR Association

Associate member of IBBR CNR

from May 2014 to November 2015. (n° protocol 0003487 30/04/2014 released from CNR IBBR.)

Practical and theoretical teaching experiences

- Professor of practical and theoretical courses PCTO 2021 "Mappe interdisciplinari per le scienze della vita: dai sistemi modello all'uomo" (n. protocol 0000723 28/02/2022 released from CNR IGB).
- Professor of practical and theoretical courses Incontro TCI-IBBR_CNR "La scuola va al CNR – La complessità della vita: metodo sperimentale e acquisizione di dati biologici" (n. protocol 0009382 29/11/2018 released from IGV CNR IBBR).
- Professor of Practical and theoretical courses "Percorso formativo Alternanza Scuola-Lavoro 2015-2016" (n. protocol 0001241 released from IGV CNR IBBR).

Attended courses Language certifications

- EMBO Practical Course on Developmental neurobiology: From worms to mammals, 7–20th July 2019 King's College London, United Kingdom
- Training Course on Best practices for RNA-Seq data analysis, Elixir Fisciano 2017
- Forensic Genetic course, AGI Cortona 2016
- Course "Molecular mechanisms of cancer", IBP CNR Napoli 2013
- Workshop "NGS Next Generation Sequencing", IGB CNR Napoli
- English language certification: Trinity College level 7 2005;
- English language certification: Cambridge level PET 2003
- Spanish language certification: DELE level B2 2004
- French language certification: DELF level A4 2004
- Computer Informatics certification: ECDL 2003

Awards

- DISBA CNR Best 2021 Article Award: "Nanoalgosomes: Introducing extracellular vesicles produced by microalgae", awarded by DISBA CNR.
- Top Downloaded Paper 2018-2019: "Green kiwifruit extracts protect motor neurons from death in a spinal muscular atrophy model in *Caenorhabditis elegans*.", awarded in 2020 by Food Science & Nutrition, Wiley.
- Travel Grant EMBO to participate to the EMBO Practical Course on Developmental neurobiology: From worms to mammals, 7–20th July 2019 London, United Kingdom
- Travel grant of the Genetic Society of America to participate at the "22nd International *C.elegans* Conference", Los Angeles 20-24th June 2019 ,California;
- Travel grant 2017 from Disease Models Mechanisms to participate at the "21st International *C.elegans* Conference", Los Angeles 21-25th June 2017 ,California;
- Travel grant of the Genetic Society of America to participate at the "21st International *C.elegans* Conference", Los Angeles 21-25th June 2017 ,California;
- Travel grant and selection for oral presentation from CostAction GENiE to participate at the "High Content Screening *C.elegans* workshop", Porto 9-10th February 2017, Portugal.
- Travel grant and selected for oral presentation at the international meeting "The biology of meiosis: implications for fertility and genetic disorders", Salamanca 4-5th June 2015, Spain

Oral presentations as invited speaker	<ul style="list-style-type: none"> ▪ “SYNCRIP/hrpr-1 rescues SMA-related neurodegeneration via RTN/ret-1 in <i>C. elegans</i>” Joint Seminars in Neuroscience University of Milan. online 29th November 2022. ▪ “hnRNP Q/hrpr-1 rescues via RTN/ret-1 the neurodegeneration in a <i>C. elegans</i> SMA model”. Italian <i>C. elegans</i> Community webinar. online 4th May 2022. ▪ “A new <i>C. elegans</i> SMA model to identify neuroprotective compounds”. 1st International Conference on Neuroprotection by Drugs, Nutraceuticals and Physical Activity. Rimini, Italy. 6th June 2019. ▪ “Identification of neuroprotective molecules using a <i>C. elegans</i> model of Spinal Muscular Atrophy” Ves4Us seminar. Naples, Italy. 13th March 2019. ▪ “Geni e modelli: Le malattie neurodegenerative e il <i>C. elegans</i>” – IBBR CNR meeting TCI- 2018, Napoli.
Oral presentation after selection	<ul style="list-style-type: none"> ▪ “<i>Caenorhabditis elegans</i> as model system to study EV bioactivity and biodistribution <i>in vivo</i>”. 2nd EVITA Symposium. 21st September 2021, Lucca, Italy. ▪ “Modulation of CSPα/DNJ-14 ameliorate SMA related neurodegeneration in <i>C. elegans</i>”. IX Neapolitan Brain Group Meeting 2019, Pozzuoli ▪ “Neuroprotective role of HRP-2/HNRNPR in <i>C. elegans</i> SMA models” VIII Meeting Neapolitan Brain Group 2018, Naples ▪ “Characterization of <i>smn-1</i> genetic interactors in a <i>C. elegans</i> SMA model” VI Meeting Neapolitan Brain Group 2017, Naples <ul style="list-style-type: none"> ▪ “Identification of neuroprotective molecules using a <i>C. elegans</i> model of Spinal muscular atrophy” National Congress of the Italian Neuroscience Society 2017, Ischia ▪ “Identification of <i>smn-1</i> modifiers using a <i>C. elegans</i> SMA model” Symposium on Neurodegeneration and Protein Aggregation in <i>C. elegans</i> 2017, Naples ▪ “Identification of neuroprotective drugs by HCS on our SMA model” Symposium on Neurodegeneration and Protein Aggregation in <i>C. elegans</i> 2017, Naples ▪ “Identification of neuroprotective drugs by HCS using a <i>C. elegans</i> model for Spinal Muscular Atrophy” High Content Screening <i>C. elegans</i> workshop 2017, Portugal ▪ “<i>clt-2</i>: a new <i>C. elegans</i> mutant and its interactions with the FA/BRC pathway” PhDays 2015, Naples ▪ “<i>clt-2</i>: a new <i>C. elegans</i> mutant able to suppress the deleterious effects of the <i>fcd-2</i> mutation, a key gene of Fanconi Anaemia pathway.” IBBR 2015, Naples ▪ “Isolation and characterization of the <i>clt-2</i> mutant and its interactions with the FA/BRC recombination pathway in <i>Caenorhabditis elegans</i>.” The biology of meiosis: implications for fertility and genetic disorders 2015, Salamanca ▪ “Cisplatin sensitivity/tolerance/resistance genetic pathways in hereditary cancer predisposition”. PhDays 2015, Caserta ▪ “Cross-talk between Fanconi Anemia pathway and Non Homologous End Joining in <i>Caenorhabditis elegans</i>.” AGI 2013, Cortona
Congress abstracts	<ul style="list-style-type: none"> ▪ “<i>B-Raf/lin-45</i> is a signalling hub of new potential SMA target genes”. F. Cieri, P. Santonicola, N. Hensel, N. Tula Detering, I. Tapken, G. Zampì, P. Claus and E. Di Schiavi. SMA europe 2022 ▪ “Posttranslational phosphorylation regulates key features of the survival of motoneuron(SMN) protein. N. Tula Detering, S. Rademacher, T. Schuning, R. Lindner, N. Titz, P. Santonicola, S. Shirran, T. Tebaldi, H. Fuller, E. Di Schiavi, G. Viero, P. Claus. SMA europe 2022 ▪ “<i>hnRNP Q/hrpr-1</i> rescues the neurodegeneration via <i>RTN/ret-1</i> in a <i>C. elegans</i> SMA model”. F. La Rocca, P. Santonicola, F. Cieri, G. Zampì, M. Nizzardo, S. Corti, E. Di Schiavi. SMA europe 2022 ▪ “Extracellular vesicles for drug delivery in a <i>C. elegans</i> SMA model”. P. Santonicola, G. Adamo, R. Bokka, G. Zampì, A. Paterna, G. Pocsfalvi, R. Carrotta, M. Manno, A. Bongiovanni, E. Di Schiavi. SMA europe 2022 ▪ “Multi-omics approaches for SMA decipher molecular signaling signatures in spinal cord and peripheral organs”. I. Tapken, T. Schweitzer, H. Niko, R. Kolbe, N. Tula Detering, F. Cieri, P. Santonicola, R. Kothary, K. Jung, E. Di Schiavi, A. Pich, P. Claus. SMA europe 2022. ▪ “<i>B-Raf/lin-45</i> is a signaling hub for genes involved in neurodegeneration”. F. Cieri, P. Santonicola, N. Hensel, I. Tapken, N. Tula Detering, P. Claus and E. Di Schiavi. CeNeuro 2022. ▪ “<i>hnRNP Q/hrpr-1</i> and <i>RTN/ret-1</i> role in splicing and neurodegeneration. P. Santonicola, F. La Rocca F. Cieri, G. Zampì, M. Nizzardo, S. Corti, E. Di Schiavi. CeNeuro 2022.

- “ α s1-Casein loaded liposomes, Amyloid inhibitors in *C. elegans* Alzheimer’s disease model” A. Paterna, **P. Santonicola**, G. Di Prima, E. Rao, S. Raccosta, O. Moran, M. Manno, F. Librizzi, E. Di Schiavi and R. Carrotta. SIBPA, 2022.
- “Characterization of Casein-loaded proteoliposomes, potential inhibitors in Amyloid fibrillogenesis”. A. Paterna, **P. Santonicola**, G. Di Prima, E. Rao, S. Raccosta, O. Moran, F. Librizzi, M. Manno, E. Di Schiavi, R. Carrotta. SIBPA, 2021, online.
- “Extracellular vesicles from microalgae: *in vitro* and *in vivo* cellular uptake”. G. Adamo, **P. Santonicola**, S. Picciotto, D. Romancino, E. Rao, A. Paterna, S. Raccosta, A. Cusimano, R. Noto, R. Carrotta, N. Touzet, E. Di Schiavi, M. Manno, A. Bongiovanni. Congresso. SIBPA, 2021, online.
- “Nanoalgosomes: Microalgae-derived extracellular vesicles *in vitro* and *in vivo* cellular uptake studies”. G. Adamo, **P. Santonicola**, D. Romancino, S. Picciotto, E. Rao, A. Paterna, S. Raccosta, A. Cusimano, R. Noto, N. Touzet, M. Manno, E. Di Schiavi, A. Bongiovanni. ISEV2021 Annual Meeting, online.
- “B-Raf contribution to motoneuron degeneration” F. Cieri, N. Hensel, **P. Santonicola**, G. Zampi, P. Claus, E. Di Schiavi. 23rd International *C.elegans* Conference, 2021, on line.
- “*hnRNPQ/hrp-2* role in splicing and neurodegeneration”. F. La Rocca, **P. Santonicola**, F. Cieri, G. Zampi, E. Di Schiavi. 23rd International *C.elegans* Conference, 2021, on line.
- “Post-translational modifications regulate the Survival of Motoneuron (SMN) protein”. N. Detering, S. Rademacher, T. Schüning, R. Lindner, **P. Santonicola**, S. Shirran, H. Fuller, E. Di Schiavi, P. Claus. 2021 Virtual SMA Research & Clinical Care Meeting - Cure SMA, online.
- “Impairment of the neurotrophic signaling hub B-Raf contributes to motoneuron degeneration in Spinal Muscular Atrophy” N. Hensel, **P. Santonicola**, F. Cieri, I. Tapken, T. Schüning, M. Taiana, E. Pagliari, A. Joseph, S. Fischer, N. Heidrich, H. Brinkmann, S. Kubinski, A. Bergmann, M. Richter, K. Jung, S. Corti, R. Kothary, E. Di Schiavi, P. Claus. Virtual SMA Research & Clinical Care Meeting - Cure SMA, online.
- “An impaired neurotrophic signaling hub drives motoneuron degeneration in Spinal Muscular Atrophy” I. Tapken, T. Schüning, F. Cieri, **P. Santonicola**, S. Fischer, N. Heidrich, H. Brinkmann, S. Kubinski, K. Jung, E. Di Schiavi, P. Claus, N. Hensel. 2nd International Scientific Congress, Spinal Muscular Atrophy, SMA Europe 2020, Parigi.
- “*lin-45/B-Raf* neuroprotective role in a *C. elegans* model of Spinal Muscular Atrophy” F. Cieri, **P. Santonicola**, G. Zampi, N. Hensel, P. Claus, E. Di Schiavi. 9° Meeting Neapolitan Brain Group, 2019, Pozzuoli.
- “The games of genes: the role of SMN and hnRNPQ in neurodegeneration”. **P. Santonicola**, F. La Rocca, F. Cieri, G. Zampi, F. Rizzo, M. Nizzardo, S. Corti, E. Di Schiavi. 9° Meeting Neapolitan Brain Group, 2019, Pozzuoli.
- “Sex-specific neurodegeneration in *C. elegans*”. G. Onorato, G. Guardascione, G. Zampi, M. Paglione, **P. Santonicola**, F. Sola, A. Maggi, E. Di Schiavi. 9° Meeting Neapolitan Brain Group, 2019, Pozzuoli.
- “VES4US, a Horizon 2020-Future and Emerging Technology project: use of the invertebrate animal model *C. elegans* to study the bioactivity of EVs from natural extracts.” **P. Santonicola**, N. Mazzearella, M. Paglione, A. Camera, S. Visone, C. Stanly, A. Cusimano, D. Romancino, V. Martorana, R. Noto, R. Carrotta, G. L. Liguori, A. Kisslinger, K. Landfester, S. Morsbach, A. Iglic, V. Iglic, L. Corcuera, P. Arosio, M. Manno, N. Touzet, A. Bongiovanni and E. Di Schiavi. 1st EVIta Symposium, 2019, Palermo
- “Key role of SMN/hnRNPQ in neurodegeneration.” **P. Santonicola**, F. Cieri, F. La Rocca, G. Zampi, F. Rizzo, M. Nizzardo, S. Corti, E. Di Schiavi. 22nd International *C.elegans* Conference, 2019, Los Angeles
- “Identification of genetic suppressors of *smn-1* in neurodegeneration.” **P. Santonicola**, I. Gallotta, G. Zampi, E. Di Schiavi. ceNeuro 2018, Madison USA
- “Identification of genetic suppressors of *smn-1* in neurodegeneration.” **P. Santonicola**, I. Gallotta, G. Zampi, E. Di Schiavi. EMBO Workshop: *C. elegans* Development, Cell Biology, and Gene Expression, in association with European *C. elegans* Meeting, 2018, Barcelona
- “Cellular and molecular mechanisms of *smn-1*-mediated neuron-specific degeneration” **P. Santonicola**, I. Gallotta, A. Esposito, G. Zampi, E. Di Schiavi. 21st International *C.elegans* Conference, 2017, Los Angeles
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