

CURRICULUM VITAE



INFORMAZIONI PERSONALI

- NOME
- POSIZIONE
- INDIRIZZO DI LAVORO
- TEL
- E-MAIL

MARTA ANNA SZYCHLINSKA

RICERCATORE A TEMPO DETERMINATO (RTD-A) SSD BIO/16 – ANATOMIA UMANA
UNIVERSITÀ DEGLI STUDI DI CATANIA
DIPARTIMENTO DI SCIENZE BIOMEDICHE E BIOTECNOLOGICHE (BIOMETEC)
SEZIONE DI ANATOMIA UMANA ED ISTOLOGIA
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ISTRUZIONE ED ESPERIENZA LAVORATIVA

- NOME DELL'ISTITUTO

**UNIVERSITÀ DEGLI STUDI DI CATANIA
DIPARTIMENTO DI SCIENZE BIOMEDICHE E BIOTECNOLOGICHE
SEZIONE DI ANATOMIA UMANA ED ISTOLOGIA
VIA S. SOFIA, 87, 95-123 CATANIA, ITALIA.**

- DATE **DAL 01/12/2017 AL 30/11/2020**
- TIPO DI IMPIEGO **RICERCATORE A TEMPO DETERMINATO DI TIPO A (RTD-A) (SSD BIO/16 ANATOMIA UMANA)**
- DATE **DAL 10/03/2017 AL 30/11/2017**
- TIPO DI IMPIEGO **VISITING SCIENTIST**
- RESPONSABILE **PROF. GIUSEPPE MUSUMECI**
- DATE **DAL 15/03/2017 AL 16/06/2017**
- TIPO DI IMPIEGO **CONTRATTO DI COLLABORAZIONE PER ATTIVITÀ DI TUTORATO (118 ORE) IN ANATOMIA UMANA SSD BIO/16 PER IL CdLS IN SCIENZE BIOMEDICHE E BIOTECNOLOGICHE**
- DATE **DAL 30/06/2017**
- TIPO DI IMPIEGO **CULTORE DELLA MATERIA IN ANATOMIA UMANA SSD BIO/16 PER IL CdL IN SCIENZE MOTORIE**
- DATE **DAL 22/05/2017**
- TIPO DI IMPIEGO **CULTORE DELLA MATERIA IN ANATOMIA UMANA SSD BIO/16 PER IL CdLM IN MEDICINA E CHIRURGIA**
- DATE **A.A. 2017/2018**
- TIPO DI IMPIEGO **VINCITORE E RINUNCIATARIO INSEGNAMENTO DI "ANATOMIA I" (SSD BIO/16) PER IL CdLM IN MEDICINA E CHIRURGIA BANDO N. 297 DEL 31 GENNAIO 2017.**
- DATE **A.A. 2016/2017**
- TIPO DI IMPIEGO **COLLABORAZIONE ALLA SUPERVISIONE DELLE ATTIVITÀ DI LABORATORIO DI ANATOMIA UMANA SSD BIO/16 PER GLI STUDENTI DEL CDL IN SCIENZE BIOLOGICHE, UNIVERSITÀ DEGLI STUDI DI CATANIA.**

- DATE **A.A. 2014/2015**
- TIPO DI IMPIEGO **SUPPORTO ALLE ATTIVITÀ DIDATTICHE IN ISTOLOGIA (SSD BIO/17) PER IL CDL IN TECNICHE DI LABORATORIO BIOMEDICO, UNIVERSITÀ DEGLI STUDI DI CATANIA.**
- DATE **DA 31/10/2013 A 31/12/2016**
- RESPONSABILE **PROF. GIUSEPPE MUSUMECI**
- TIPO DI IMPIEGO **DOTTORATO INTERNAZIONALE IN "BASIC AND APPLIED BIOMEDICAL SCIENCES" - XXIX CICLO**
- TITOLO DEL PROGETTO DI **"STUDY OF MORPHO-MOLECULAR MECHANISMS AND TISSUE ENGINEERING IN MUSCULOSKELETAL DISORDERS".**
DOTTORATO
- DATE **DA 04/03/2013 A 30/09/2013**
- RESPONSABILE **PROF.SSA VELIA D'AGATA**
- TIPO DI IMPIEGO **TESI SPERIMENTALE IN ANATOMIA UMANA PER IL CdLS IN FARMACIA.**

ISTRUZIONE E TITOLI

- NOME DELL'ISTITUTO **UNIVERSITÀ DEGLI STUDI DI CATANIA**
- DATA **17/02/2017**
- TITOLO **DOTTORE DI RICERCA IN "BASIC AND APPLIED BIOMEDICAL SCIENCES"**
- TESI DI DOTTORATO **TESI IN ANATOMIA UMANA SSD BIO/16 DAL TITOLO "STUDY OF MORPHO-MOLECULAR MECHANISMS AND TISSUE ENGINEERING INVOLVED IN THE MUSCULOSKELETAL DISORDERS".**
- DATA **10/2013 (2° SESSIONE)**
- TITOLO **ABILITAZIONE ALL'ESERCIZIO DELLA PROFESSIONE DI FARMACISTA**
- DATA **08/10/2013**
- TITOLO **LAUREA MAGISTRALE IN CdLS IN FARMACIA**
- TESI MAGISTRALE **TESI SPERIMENTALE IN ANATOMIA UMANA SSD BIO/16 DAL TITOLO "NAP EFFECTS IN ENDOTHELIAL CELLS EXPOSED TO HYPERGLYCEMIA".**
- VOTO **110/110**

ESPERIENZE DI STUDIO ALL'ESTERO

- NOME DELL'ISTITUTO **AO FOUNDATION
CLAVADELERSTRASSE, 8, 7270 DAVOS PLATZ, SVIZZERA.**
- DATE **DA 01/04/2015 A 31/10/2015**
- TIPO DI IMPIEGO **AO RESEARCH INSTITUTE FELLOWSHIP**
- TITOLO DEL PROGETTO DI **"EFFECTS OF TA-65[®] ON HYPERTROPHY IN LATE STAGES OF MECHANICALLY INDUCED MESENCHYMAL STEM CELL-
RICERCA CHONDROGENESIS: LINK BETWEEN TGF-B/SMAD SIGNALING PATHWAY AND AGING".**
- RESPONSABILE **PROF. MAURO ALINI**
- PROGRAMMA **RIGENERAZIONE MUSCOLO-SCHELETRICA**

PUBBLICAZIONI
SCIENTIFICHE

ARTICOLI SCIENTIFICI:

1. Musumeci G, **Szychlinska MA**, Di Rosa M, Borzi F, Imbesi R, Reitano R, Castrogiovanni P, Trovato FM. Effects of treadmill training and EVOO enriched diet on cartilage degeneration in rats with ACLT. *The FASEB Journal*. **2018**; 32: 640-7.
2. Trovato FM, Castrogiovanni P, **Szychlinska MA**, Purrello F, Musumeci G. Early effects of high-fat diet, extra-virgin olive oil and vitamin D in a sedentary rat model of non-alcoholic fatty liver disease. *Histology and Histopathology*. **2018** [Epub ahead of print].
3. **Szychlinska MA**, Castrogiovanni P, Trovato FM, Nsir H, Zarrouk M, Lo Furno D, Di Rosa M, Imbesi R, Musumeci G. Physical activity and Mediterranean diet based on olive tree phenolic compounds from two different geographical areas have protective effects on early osteoarthritis, muscle atrophy and hepatic steatosis. *European Journal of Nutrition*. **2018** [Epub ahead of print].
4. Trovato FM, Castrogiovanni P, **Szychlinska MA**, Purrello F, Musumeci G. Impact of Western and Mediterranean diets and Vitamin D on muscle fibers of sedentary rats. *Nutrients*. **2018**;10.
5. Castorina S, Guglielmino C, Castrogiovanni P, **Szychlinska MA**, Ioppolo F, Massimino P, Leonardi P, Maci C, Iannuzzi M, Di Giunta A, Musumeci G. Clinical evidence of traditional vs. fast track recovery methodologies after total arthroplasty for osteoarthritic knee treatment. A retrospective observational study. *Muscles Ligaments Tendons J*. **2017**; 7: 504-513.
6. Bonyadi Rad E, Musumeci G, Pichler K, Heidary M, **Szychlinska MA**, Castrogiovanni P, Marth E, Böhm C, Srinivasaiah S, Krönke G, Weinberg A, Schäfer U. Runx2 mediated Induction of Novel Targets ST2 and Runx3 Leads to Cooperative Regulation of Hypertrophic Differentiation in ATDC5 Chondrocytes. *Scientific Reports* **2017**; 7: 17947.
7. Trovato FM, Castrogiovanni P, **Szychlinska MA**, Purrello F, Musumeci G. The interplay between liver and muscle begins much earlier than cirrhosis. A diet-induced animal model. *Journal of Hepathology*. **2018**; 68: S354-S355.
8. **Szychlinska MA**, Castrogiovanni P, Nsir H, Di Rosa M, Guglielmino C, Parenti R, Calabrese G, Pricoco E, Salvatorelli L, Magro G, Imbesi R, Mobasher A. Engineered cartilage regeneration from adipose tissue derived-mesenchymal stem cells: a morphomolecular study on osteoblast, chondrocyte and apoptosis evaluation. *Experimental Cell Research* 2017; 357: 222-235.
9. Nsir H, **Szychlinska MA**, Cardile V, Graziano ACE, Avola R, Esafi H, Bendini A, Zarouk M, Loreto C, Rapisarda V, Castrogiovanni P, Musumeci G. Polar and apolar extra virgin olive oil and leaf extracts as a promising anti-inflammatory natural treatment for osteoarthritis. *Acta Histochemica* 2017; 119: 407-416.
10. Musumeci G, Castrogiovanni P, **Szychlinska MA**, Imbesi R, Loreto C, Castorina S, Giunta S. Protective effects of high tryptophan diet on aging-induced passive avoidance impairment and hippocampal apoptosis. *Brain Research Bulletin* 2017; 128: 76-82.
11. **Szychlinska MA**, Stoddart MJ, D'amora U, Ambrosio L, Alini M, Musumeci G. Mesenchymal stem cell-based cartilage regeneration approach and cell senescence: can we manipulate cell aging and function? *Tissue Engineering Part B. Reviews* 2017. [Epub ahead of print].
12. **Szychlinska MA**, Dullaert K, Beumer A, Nsir H, Guglielmino C, Mazzone V, Giunta S. Ergonomics of prehensibility in pushing and pulling motions: an anatomical and biomechanical overview. *Journal of Functional Morphology And Kinesiology* 2017; 2: 6.
13. Castrogiovanni P, Trovato FM, **Szychlinska MA**, Loreto C, Giunta S, Scuderi S, Passanisi R, Fidone F, Fagone P, Imbesi R, Nicoletti F, Castorina S. Effects of synthetic anti-inflammatory sterol in cb3v-induced myocarditis: a morphological study on heart muscle tissue. *Journal of Functional Morphology and Kinesiology* 2016; 1; 69-89.
14. **Szychlinska MA**, Trovato FM, Di Rosa M, Malaguarnera L, Puzzo L, Leonardi R, Castrogiovanni P, Musumeci G. Co-expression and co-localization of cartilage glycoproteins CHI3L1 and lubricin in osteoarthritic cartilage: morphological, immunohistochemical and gene expression profiles. *International Journal of Molecular Sciences* 2016; 17: 359.
15. Trovato FM, Roggio F, **Szychlinska MA**, Borzi F, Musumeci G. Clinical kinesiology and posturology applied to a group of italian students. a morphological observational study. *Journal of Functional Morphology and Kinesiology* 2016; 1: 16-29.
16. Musumeci G, Loreto C, Giunta S, Rapisarda V, **Szychlinska MA**, Imbesi R, Castorina A, Annese T, Castorina S, Castrogiovanni P, Ribatti D. Angiogenesis correlates with macrophage and mast cell infiltration in lung tissue of animals exposed to fluoro-edenite fibers. *Experimental Cell Research* 2016; S0014-4827: 30169-0.
17. Castrogiovanni P, Trovato FM, Loreto C, Nsir H, **Szychlinska MA**, Musumeci G. Nutraceutical supplements in the management and prevention of osteoarthritis. *International Journal of Molecular Sciences* 2016; 17: E2042.
18. Castrogiovanni P, Trovato FM, **Szychlinska MA**, Nsir H, Imbesi R, Musumeci G. The importance of physical activity in osteoporosis. from the molecular pathways to the clinical evidence. *Histology and*

- Histopathology 2016; 31: 1183-94.
19. **Szychlińska MA**, Leonardi R, Al-Qahtani M, Mobasheri A, Musumeci G. Altered joint tribology in osteoarthritis: reduced lubricin synthesis due to the inflammatory process. new horizons for therapeutic approaches. *Annals Of Physical And Rehabilitation Medicine* 2016; 59: 149-156.
 20. Musumeci G, Mobasheri A, Trovato FM, **Szychlińska MA**, Imbesi R, Castrogiovanni P. Post-operative rehabilitation and nutrition in osteoarthritis. *F1000 RESEARCH* 2016; 3: 4178.3.
 21. Musumeci G, Trovato FM, **Szychlińska MA**, Scuderi S, Fidone F, Imbesi R, Castrogiovanni P. Heparin-binding EGF-like growth factor in diagnosis of malignant phyllodes tumor of the breast: a case report. *Gazzetta Medica Italiana - Archivio Per Le Scienze Mediche* 2016; 176: 71-74.
 22. Musumeci G, Castrogiovanni P, Castorina S, Imbesi R, **Szychlińska MA**, Scuderi S, Loreto C, Giunta S. Changes in serotonin (5-HT) and brain-derived neurotrophic factor (BDNF) expression in frontal cortex and hippocampus of aged rat treated with high tryptophan diet. *Brain Research Bulletin* 2015; 119: 12-18.
 23. Musumeci G, Imbesi R, Trovato FM, **Szychlińska MA**, Aiello FC, Buffa P, Castrogiovanni P. Importance of serotonin (5-HT) and its precursor L-tryptophan for homeostasis and function of skeletal muscle in rats. a morphological and endocrinological study. *Acta Histochemica* 2015; 117: 267-274.
 24. Giunta S, Castorina A, Marzagalli R, **Szychlińska MA**, Pichler K, Mobasheri A, Musumeci G. Ameliorative effects of PACAP against cartilage degeneration. morphological, immunohistochemical and biochemical evidence from in vivo and in vitro models of rat osteoarthritis. *International Journal of Molecular Sciences* 2015; 16: 5922-5944.
 25. Musumeci G, Loreto C, **Szychlińska MA**, Imbesi R, Rapisarda V, Aiello FC, Castorina S, Castrogiovanni P. N-cadherin, ADAM-10 and AQUAPORIN 1 expression in lung tissue exposed to fluoroedenite fibers: an immunohistochemical study. *Histology and Histopathology* 2015; 30: 987-999.
 26. Musumeci G, Castrogiovanni P, Trovato FM, Imbesi R, Giunta S, **Szychlińska MA**, Loreto C, Castorina S, Mobasheri A. Physical activity ameliorates cartilage degeneration in a rat model of aging: a study on lubricin expression. *Scandinavian Journal of Medicine and Science in Sports* 2015; 25: E222-E230.
 27. Musumeci G, Castrogiovanni P, **Szychlińska MA**, Aiello FC, Vecchio GM, Salvatorelli L, Magro G, Imbesi R. Mammary gland: from embryogenesis to adult life. *Acta Histochemica* 2015; 117: 379-385.
 28. Musumeci G, Castrogiovanni P, Coleman R, **Szychlińska MA**, Salvatorelli L, Parenti R, Magro G, Imbesi R. Somitogenesis: from somite to skeletal muscle. *Acta Histochemica* 2015; 117: 313-328.
 29. Musumeci G, Aiello FC, **Szychlińska MA**, Di Rosa M, Castrogiovanni P, Mobasheri A. Osteoarthritis in the XXIst century: risk factors and behaviours that influence disease onset and progression. *International Journal of Molecular Sciences* 2015; 16: 6093-6112.
 30. Aiello FC, Trovato FM, **Szychlińska MA**, Imbesi R, Castrogiovanni P, Loreto C, Musumeci G. Molecular links between diabetes and osteoarthritis: the role of physical activity. *Current Diabetes Reviews* 2017; 13: 50-58.
 31. Musumeci G, Imbesi R, **Szychlińska MA**, Castrogiovanni P. Apoptosis and skeletal muscle in aging. *Open Journal of Apoptosis* 2015; 4: 41-46.
 32. Musumeci G, **Szychlińska MA**, Mobasheri A. Age-related degeneration of articular cartilage in the pathogenesis of osteoarthritis: molecular markers of senescent chondrocytes. *Histology and Histopathology* 2015; 30: 1-12.
 33. Castorina A, **Szychlińska MA**, Marzagalli R, Musumeci G. Mesenchymal stem cells-based therapy as a potential treatment in neurodegenerative disorders: is the escape from senescence an answer? *Neural Regeneration Research* 2015; 10: 850-858.
 34. Musumeci G, Castrogiovanni P, Trovato FM, Parenti R, **Szychlińska MA**, Imbesi R. Pregnancy, embryo-fetal development and nutrition: physiology around fetal programming. *Journal of Histology and Histopathology* 2015; 2:1.
 35. Di Rosa M, **Szychlińska MA**, Tibullo D, Malaguarnera L, Musumeci G. Expression of CHI3L1 and CHIT1 in osteoarthritic rat cartilage model. a morphological study. *European Journal of Histochemistry* 2014; 58: 213-221.
 36. Musumeci G, Loreto C, Mazzone V, **Szychlińska MA**, Castrogiovanni P, Castorina S. Practical training on porcine hearts enhances students' knowledge of human cardiac anatomy. *Annals of Anatomy* 2014; 196: 92-99.
 37. Musumeci G, Trovato FM, Loreto C, Leonardi R, **Szychlińska MA**, Castorina S, Mobasheri A. Lubricin expression in human osteoarthritic knee meniscus and synovial fluid: a morphological, immunohistochemical and biochemical study. *Acta Histochemica* 2014; 116: 965-972.
 38. Musumeci G, Coleman R, Imbesi R, Magro G, Parenti R, **Szychlińska MA**, Scuderi R, Cinà CS, Castorina S, Castrogiovanni P. ADAM-10 could mediate cleavage of N-cadherin promoting apoptosis in human atherosclerotic lesions leading to vulnerable plaque: a morphological and immunohistochemical study. *Acta Histochemica* 2014; 116: 1148-1158.
 39. Musumeci G, Imbesi R, Magro G, Parenti R, **Szychlińska MA**, Scuderi R, Castorina S, Castrogiovanni P. N-cadherin has a protective role in stable human atherosclerotic plaques: a morphological and immunohistochemical study. *Journal of Histology and Histopathology* 2014; 1: 4.
 40. Musumeci G, Mobasheri A, Trovato FM, **Szychlińska MA**, Graziano ACE, Lo Furno D, Avola R, Mangano S, Giuffrida R, Cardile V. Biosynthesis of collagen I, II, RUNX2 and lubricin at different time

points of chondrogenic differentiation in a 3D in vitro model of human mesenchymal stem cells derived from adipose tissue. *Acta Histochemica* 2014; 116: 1407-1417.

41. Musumeci G, Castrogiovanni P, Mazzone V, **Szychlinska MA**, Castorina S, Loreto C. Histochemistry as a unique approach for investigating normal and osteoarthritic cartilage. *European Journal of Histochemistry* 2014; 58: 2371.
42. Musumeci G, Parenti R, **Szychlinska MA**, Salvatorelli L, Pace MM, Trovato FM, Magro G. Old morphological features and new immunohistochemical markers in prognosis of cutaneous melanoma: where are we now? *Acta Medica Mediterranea* 2014; 30: 969-979.
43. Musumeci G, Castrogiovanni P, Leonardi R, Trovato FM, **Szychlinska MA**, Di Giunta A, Loreto C, Castorina S. New perspectives for articular cartilage repair treatment through tissue engineering: a contemporary review. *World Journal of Orthopaedics* 2014; 5: 80-88.
44. **Szychlinska MA**, Parenti R, Loreto C, Salvatorelli L, Spadola S, Trovato FM, Pirri C, Rapisarda V, Pace MM, Magro G, Musumeci G. Fluoro edenite-associated pathogenesis in pleural malignant mesothelioma. *Acta Medica Mediterranea* 2014; 30: 981-989.

EDITORIALI:

1. Barbieri E, Falcieri E, De Santi M, Natalucci V, Vallorani L, Agostini D, Annibalini G, Stefani L, **Szychlinska MA**, Musumeci G. The "Journal of Functional Morphology and Kinesiology" Journal Club Series: Highlights on Recent Papers in Physical Activity and Sedentary Behavior. *J. Funct. Morphol. Kinesiol.* 2018; 3(2):23.
2. Willems M, Hue O, Stefani L, Lorenzetti S, Assanelli D, **Szychlinska MA**. The "Journal of Functional Morphology and Kinesiology" Journal Club Series: Highlights on Recent Papers in Exercise and Nutrition for Health. *Journal Of Functional Morphology And Kinesiology* 2017; 2: 22.
3. **Szychlinska MA**, Vadalà G, Workman V, Ripamonti U, Mendes A, Stoddart M, Alini M. The "Journal Of Functional Morphology And Kinesiology" Journal Club Series: highlights on recent papers in articular cartilage tissue engineering and mechanical stimulation. *Journal Of Functional Morphology And Kinesiology* 2016; 1: 162-166.
4. **Szychlinska MA**, Castorina S, Lorenzetti S, Di Giunta A, Vaz J, Dickin C. The "Journal Of Functional Morphology And Kinesiology" Journal Club Series: highlights on recent papers in joint biomechanics of running. *Journal Of Functional Morphology And Kinesiology* 2016; 1: 276-281.
5. Castrogiovanni P, **Szychlinska MA**, Lorenzetti S, Ljubisavljevic M. The "Journal Of Functional Morphology And Kinesiology" Journal Club Series: highlights on recent papers in gait and posture. *Journal Of Functional Morphology And Kinesiology* 2016; 1: 369-372.
6. **Szychlinska MA**, Yamakado K, Castorina A, Ljubisavljevic M. The "Journal Of Functional Morphology And Kinesiology" Journal Club Series: highlights on recent papers in musculoskeletal disorders. *Journal Of Functional Morphology And Kinesiology* 2017; 2: 10.

CAPITOLI IN LIBRI:

1. Musumeci G, Castrogiovanni P, Trovato FM, **Szychlinska MA**, Imbesi R. Chapter: Fetal programming: maternal diets, tryptophan and postnatal development; In book: Diet, Nutrition, and Fetal Programming, pp.325-337, DOI: 10.1007/978-3-319-60289-9_24 Springer.

ABSTRACTS & POSTERS

1. Trovato FM, Castrogiovanni P, **Szychlinska MA**, Purrello F, Musumeci G. The interplay between liver and muscle begins much earlier than cirrhosis. A diet-induced animal model. International Liver Congress 2018 - 53rd annual meeting of the European Association for the Study of the Liver (EASL) which will take place from 11 to 15 April 2018 in Paris, France. Published in *Journal of Hepatology* (IF:12.486).
2. **Szychlinska MA**, Trovato FM, Imbesi R, Castrogiovanni P, Musumeci G. Exercise and Nutrition Effects on Cartilage Degenerative Disorder. 2018 ORS Annual Meeting, March 10-13, at the Hyatt Regency New Orleans. Published in *Journal of Orthopedic Research* (IF: 2.682).
3. Musumeci G, **Szychlinska MA**, Di Rosa M, Borzi F, Imbesi R, Reitano R, Castrogiovanni P, Trovato FM. Effects of treadmill training and EVOO enriched diet on cartilage degeneration in rats with ACLT. EXPERIMENTAL BIOLOGY 2018 April 21-25, San Diego Convention Center. Published in *FASEB Journal* (IF: 5.498).
4. Trovato FM, Castrogiovanni P, **Szychlinska MA**, Nsir H, Salvatorelli L, Magro G, Musumeci G. Effects of high fat diet, extra-virgin olive oil and vitamin D on fatty liver and muscle. Preliminary data from a rat model. International Liver Congress 2017 - 52nd annual meeting of the European Association for the Study of the Liver (EASL) which will take place from 19 to 23 April 2017 in Amsterdam.
5. **Szychlinska MA**, Trovato FM, Castrogiovanni P, Imbesi R, Di Rosa M, Loreto C, Castorina S, Musumeci G. Exercise and nutrition effects on cartilage degenerative disorders. *Italian Journal Of Anatomy And*

- Embriology. Vol. 122, 71° Congresso Società Italiana di anatomia e Istologia SIAI 2017, Taormina (Italy), 20-22 September 2017.
6. **Szychlinska MA**, Castrogiovanni P, Imbesi R, Di Rosa M, Giunta S, Loreto C, Castorina S, Musumeci G. Mesenchymal stem cell-based tissue engineering strategy for cartilage regeneration: a morphomolecular study. Italian Journal Of Anatomy And Embriology. Vol. 122, 71° Congresso Società Italiana di anatomia e Istologia SIAI 2017, Taormina (Italy), 20-22 September 2017.
 7. Di Rosa M, Castrogiovanni P, Musumeci G, Tibullo D, Saccone S, Longo AM, Cambria D, **Szychlinska MA**, Malaguarnera L, Imbesi R. Chitotriosidase expression in monocyte-derived dendritic cells. Italian Journal Of Anatomy And Embriology. Vol. 122, 71° Congresso Società Italiana di anatomia e Istologia SIAI 2017, Taormina (Italy), 20-22 September 2017.
 8. Di Rosa M, Castrogiovanni P, Musumeci G, Tibullo D, Saccone S, Longo AM, Cambria D, **Szychlinska MA**, Malaguarnera L, Imbesi R. Expression and localization of CHI3L1 in monocyte derived dendritic cells. Italian Journal Of Anatomy And Embriology. Vol. 122, 71° Congresso Società Italiana di anatomia e Istologia SIAI 2017, Taormina (Italy), 20-22 September 2017.
 9. Trovato FM, Musumeci G, **Szychlinska MA**, Nsir H, Salvatorelli L, Magro G, Castrogiovanni P. Preliminary data on the effects of high fat diet, olive oil and vitamin D on fatty liver and muscle in an experimental model. EXPERIMENTAL BIOLOGY 2017, Chicago, USA. FASEB Journal
 10. **Szychlinska MA**, Trovato FM, Guglielmino C, Castrogiovanni P. Chondrogenic differentiation of human adipose tissue-derived mesenchymal stem cells in a 3D in vitro model. Congresso Nazionale Società Italiana di Medicina dello Sport e dell'Esercizio (SIMSE), Brescia (Italy), 18-19 November 2016. Journal of Functional Morphology and Kinesiology 2017; 2: 2.
 11. Musumeci G, Trovato FM, **Szychlinska MA**, Catalano D, Imbesi R, Castrogiovanni P, Trovato GM. Beneficial effects of Mediterranean diet and physical activity on osteoarthritis. morphomolecular study on lubricin expression. Congresso Nazionale Società Italiana di Medicina dello Sport e dell'Esercizio (SIMSE), Brescia (Italy), 18-19 November 2016.
 12. Musumeci G, Trovato FM, **Szychlinska MA**, Catalano D, Trovato GM. The effects of exercise and kinesio tape on physical limitations in patients with knee OSTEOARTHRITIS. Congresso Nazionale Società Italiana di Medicina dello Sport e dell'Esercizio (SIMSE), Brescia (Italy), 18-19 November 2016.
 13. **Szychlinska MA**, Trovato Fm, Guglielmino C, Castrogiovanni P, Musumeci G. immunohistochemical and gene expression profiles of glycoproteins Chitinase-3-Like Protein 1 and lubricin in osteoarthritic cartilage. Congresso Nazionale Società Italiana di Medicina dello Sport e dell'Esercizio (SIMSE), Brescia (Italy), 18-19 November 2016.
 14. Trovato FM, **Szychlinska MA**, Guglielmino C, Castrogiovanni P, Musumeci G. The effects of physical activity (treadmill and vibration stimulation training) in rats with glucocorticoid-induced osteoporosis. Congresso Nazionale Società Italiana di Medicina dello Sport e dell'Esercizio (SIMSE), Brescia (Italy), 18-19 November 2016.
 15. **Szychlinska MA**, Castrogiovanni P, Imbesi R, Giunta S, Musumeci G. Chondrogenic differentiation of adipose tissue-derived mesenchymal stem cells at different time points. Italian Journal Of Anatomy And Embriology. Vol. 121, 70° Congresso Società Italiana di anatomia e Istologia SIAI 2016, Roma (Italy), 15-17 September 2016.
 16. Musumeci G, Loreto C, Castrogiovanni P, Imbesi R, **Szychlinska MA**, Castorina S. CHI3L1 and lubricin expression in osteoarthritic cartilage. Italian Journal Of Anatomy And Embriology. Vol. 121, 70° Congresso Società Italiana di anatomia e Istologia SIAI 2016, Roma (Italy), 15-17 September 2016.
 17. Musumeci G, C Loreto, Giunta A, Castorina A, **Szychlinska MA**, R Imbesi, Castrogiovanni P, Castorina S. Beneficial effects of PACAP in osteoarthritis cartilage. an "in vivo" and an "in vitro" morphological and biochemical study. Italian Journal Of Anatomy And Embriology. Vol. 120, 69° Congresso Società Italiana di anatomia e Istologia SIAI 2015, Ferrara (Italy), 17-19 September 2015.
 18. Musumeci G, Trovato FM, **Szychlinska MA**, Catalano D, Trovato GM. Beneficial Effects of Mediterranean Died and Physical Activity on Osteoarthritis. Morphomolecular Study on Lubricin Expression. Congresso Nazionale Società Italiana di Medicina dello Sport e dell'Esercizio (SIMSE), Cesena 16-17 Ottobre 2015.
 19. Musumeci G, Trovato FM, **Szychlinska MA**, Catalano D, Trovato GM. The Effects of Exercise and Kinesio Tape on Physical Limitations in Patients with Knee Osteoarthritis. Congresso Nazionale Società Italiana di Medicina dello Sport e dell'Esercizio (SIMSE), Cesena 16-17 Ottobre 2015.
 20. **Szychlinska MA**, Castrogiovanni P, Castorina A, Giunta A, Imbesi R, Pichler K, Mobashera, Alini M, Musumeci G. Lubricin expression in an osteoarthritis rat model with Mediterranean diet and mild physical activity to prevent cartilage degeneration. Italian Journal Of Anatomy And Embriology. Vol. 119, 68° Congresso Società Italiana di anatomia e Istologia SIAI 2014, Ancona (Italy), 18-20 September 2014.

**ATTIVITA'
EDITORIALE**

DAL 2016: MEMBRO DELL'EDITORIAL BOARD PER LA RIVISTA SCIENTIFICA INTERNAZIONALE "JOURNAL OF FUNCTIONAL MORPHOLOGY AND KINESIOLOGY", MDPI.

DAL 2017: PEER REVIEWER PER LA RIVISTA SCIENTIFICA INTERNAZIONALE "NUTRIENTS", MDPI.

DAL 2016: PEER REVIEWER PER LA RIVISTA SCIENTIFICA INTERNAZIONALE "JOURNAL OF FUNCTIONAL MORPHOLOGY AND KINESIOLOGY", MDPI.

DAL 2016: PEER REVIEWER PER LA RIVISTA SCIENTIFICA INTERNAZIONALE "BMC MUSCULOSKELETAL DISORDERS", SPRINGER.

DAL 2014: PEER REVIEWER PER LA RIVISTA SCIENTIFICA INTERNAZIONALE "JOURNAL OF HISTOLOGY & HISTOPATHOLOGY", HERBERT.

**RICONOSCIMENTI E
PREMI**

PREMIO MIGLIOR ARTICOLO SCIENTIFICO 2016 "INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES".
"AMELIORATIVE EFFECTS OF PACAP AGAINST CARTILAGE DEGENERATION. MORPHOLOGICAL, IMMUNOHISTOCHEMICAL AND BIOCHEMICAL EVIDENCE FROM IN VIVO AND IN VITRO MODELS OF RAT OSTEOARTHRITIS". *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. 2015; 16: 3885–3894.

PREMIO MIGLIOR POSTER CONGRESSO NAZIONALE SIMSE (SOCIETÀ ITALIANA DI MEDICINA DELLO SPORT E DELL'ESERCIZIO), 18-19 NOVEMBRE 2016, BRESCIA.

"IMMUNOHISTOCHEMICAL AND GENE EXPRESSION PROFILES OF GLYCOPROTEINS CHITINASE-3-LIKE PROTEIN 1 AND LUBRICIN IN OSTEOARTHRITIC CARTILAGE"