

 SERVIZIO SANITARIO REGIONALE EMILIA-ROMAGNA Azienda Ospedaliero-Universitaria di Modena Policlinico Servizio Ricerca e Innovazione	CONFLITTO DI INTERESSI NELLA UNITÀ DI FASE I (CENTRALE-OPERATIVA) E NEL CLINICAL TRIAL QUALITY TEAM	SRI PS05 Rev. 0 / 2016 Pag 7/8
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DICHIARAZIONE PUBBLICA SUL CONFLITTO DI INTERESSI (vs 0 del 08/01/2016)

Nome

ELENA

Cognome

TUROLA

Qualifica

ASSEGNIATA DI RICERCA - BIOTECNOLOGO

Ente di appartenenza

UNIMORE

Si prega di elencare di seguito ogni eventuale interesse nell'industria farmaceutica (se necessario utilizzare più moduli).

Impegno nell'industria farmaceutica nel corso degli ultimi cinque anni:

- Tutte le attività svolte (direttamente o indirettamente) per ditte farmaceutiche (o per loro conto, in questo caso specificare il proprio ruolo e le attività svolte e indicare il nome del prodotto e la natura del lavoro svolto), sia che tali attività abbiano comportato o meno remunerazione regolare o occasionale, in denaro oppure in natura, fra le quali:
 - Partecipazione al processo decisionale interno di una ditta farmaceutica (per es. partecipazione al consiglio di amministrazione, direzione esecutiva o non esecutiva);
- Appartenenza permanente o temporanea al personale di una ditta farmaceutica. Altre attività svolte all'interno di una ditta farmaceutica (per es. tirocinio) sono ugualmente soggette a dichiarazione;
- Lavoro di consulenza o di altro genere, appaltato da ditte farmaceutiche

NA

Interessi finanziari nel capitale di un'industria farmaceutica:

Nome dell'industria:

Tipo

di

azione:

NA

Numero

di

azioni:

Altri rapporti con l'industria farmaceutica:

- Ogni tipo di assistenza e sostegno ricevuto dall'industria durante i precedenti 5 anni, comprendente o meno i benefici pecuniari o materiali, diretti o indiretti del tipo:
 - Borse di studio o di ricerca istituite dall'Industria

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- o Fellowship o sponsorizzazioni sovvenzionate dall'industria farmaceutica.

NA

Altri interessi o fatti che si ritiene debbano essere portati a conoscenza, ivi compresi elementi relativi ai componenti del proprio nucleo familiare (i componenti del nucleo familiare sono: il coniuge, il/la compagno/a e i figli a carico che vivono sotto lo stesso tetto dell'interessato (*non è necessario menzionare il nome di tali persone*)).

NA

Il sottoscritto dichiara di non detenere, a sua conoscenza, altri interessi diretti o indiretti nell'industria farmaceutica oltre a quelli menzionati.

Dichiara inoltre che si impegna a presentare una nuova dichiarazione pubblica di conflitto di interessi qualora dovessero risultare nuovi o ulteriori interessi, tali da dover essere portati a conoscenza.

Inoltre, il sottoscritto autorizza la pubblicazione della presente dichiarazione sul sito internet dell'Azienda Ospedaliero-Universitaria Policlinico di Modena nella sezione dedicata.

In fede

Data

01/10/2016

PERSONAL INFORMATION Elena Turola

📍 Via G. Manenti 10/5, 42123 Reggio Emilia

☎ +39 339 6483825

✉ turola.elena@gmail.com

CF TRLLNE79A50H223U

Sex female | Date of birth 10/01/1979 | Nationality Italian

WORK EXPERIENCE

From February 2012 – to present *Post Doc fellowship*

Department of Surgical, Medical, Dental and Morphological Sciences with interest in Transplant, Oncology and Regenerative Medicine, University of Modena and Reggio Emilia, Modena, Italy

Tutor: Prof. Erica Villa

*From January 2007 –
to January 2012* *PhD internship*

Department of Medical Pharmacology University of Milan and CNR Institute of neuroscience, Milan, Italy

Prof. Michela Matteoli and Dr. Claudia Verderio

EDUCATION

July 2014 **Biologist Government Exam (Esame di Stato per l'esercizio della professione di Biologo)**
Università di Modena e Reggio Emilia, Modena, Italy

February 2012 **PhD in Medical Pharmacology**
Department of Medical Pharmacology University of Milan, Milan, Italy
Thesis: "Microvesicles: Messengers and mediators of neuroinflammation"

October 2007 **Degree in Medical Biotechnology** 110/110 cum laude
University of Modena and Reggio Emilia, Modena, Italy
Thesis: "Identification and characterization of human CL2 homologous gene in the embryonic development of the zebrafish"

TRAINING

May 2015 **Good Clinical Practice Training**
Roche/Genetech e-learning

March 2015 **Transporting dangerous goods training**
Mayo medical laboratories – e-learning

November 2011 **Real time PCR training course**
Applied Biosystem, Monza, Italy

June 2011 **IX Confocal Microscopy Course in Fondazione Filarete**
Fondazione Filarete, Milan, Italy

May – June 2008 **Laboratory of Medical Genetics**
Graduate school of Medical Science, Boston University Summer Term, Boston, MA

May – June 2008 **Advanced Cell Culture Course**
Graduate school of Medical Science, Boston University Summer Term, Boston, MA

March – April 2008 **TOEFL® Exam Preparation Course**
Kaplan Aspect Harvard Square School, Cambridge, MA

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	B2	B2	B2	B2	B2

TOEFL iBT (May 2008) 99/120

Levels: A1/2: Basic user - B1/2: independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Technical skills Culture of bacterial and mammalian cells including culture of primary neurons, astrocytes and microglia from mouse and rat brain.
DNA / RNA / Protein extraction, purification and analysis.
Real Time PCR
miRNA analysis
Calcium Imaging
Histochemistry, immunohistochemistry and cytochemistry technique
Confocal Microscopy
Animals model (Rat, Mouse, Zebrafish)

Computer skills Good knowledge of Mac and PC suites.
Office packages (Word, Excel, Power Point, Access)
Internet databases (Pubmed, NCBI, EMBL, etc)
Statistical analysis software (GraphPad Prism, Origin, SigmaStat, SPSS)
ImageJ
Endnote
Adobe Photoshop and Adobe Illustrator

ADDITIONAL INFORMATION



- Honours and awards
- Young investigators registration bursary to attend at International Liver Congress™ 2013, in Amsterdam, The Netherlands, April 24-28, 2013 to present a poster titled "Diet-induced obesity (DIO) and steatosis model in zebrafish: characterization of liver damage in an age and gender perspective."
 - Prize granted by SIF (Italian Society of Pharmacology) given to the best oral communication at the "IV Convegno Monotematico SIF. Immunità e infiammazione nelle malattie del cervello: nuovi bersagli farmacologici per terapie innovative". Title of the oral communication: "Microvesicles in the cerebrospinal fluid reflect microglia/macrophage activation in rodent and human neuroinflammation." Milan 26 October 2011.
- Publications
H Index: 8
(Google Scholar)
- **Turola E**, Petta S, Vanni E, Milosa F, Valenti L, Critelli R, Miele L, Maccio L, Calvaruso V, Fracanzani AL, Bianchini M, Raos N, Bugianesi E, Mercorella S, Di Giovanni M, Craxi A, Fargion S, Grieco A, Cammà C, Cotelli F, Villa E. Ovarian senescence increases liver fibrosis in humans and zebrafish with steatosis. *Dis Model Mech*. 2015 Sep;8(9):1037-46. (IF:4.973)
 - Villa E, Critelli R, Lei B, Marzocchi G, Cammà C, Giannelli G, Pontisso P, Cabibbo G, Enea M, Colopi S, Caporali C, Pollicino T, Milosa F, Karampatou A, Todesca P, Bertolini E, Maccio L, Martínez-Chantar ML, **Turola E**, Del Buono M, De Maria N, Ballestri S, Schepis F, Loria P, Enrico Gerunda G, Losi L, Cillo U. Neoangiogenesis-related genes are hallmarks of fast-growing hepatocellular carcinomas and worst survival. Results from a prospective study. *Gut*. 2015 Feb 9. pii: gutjnl-2014-308483. (IF: 14.660)
 - Zanier ER, Pischlutta F, Riganti L, Marchesi F, **Turola E**, Fumagalli S, Perego C, Parotto E, Vinci P, Veglianesi P, D'Amico G, Verderio C, De Simoni MG. Bone marrow mesenchymal stromal cells drive protective M2 microglia polarization after brain trauma. *Neurotherapeutics*. 2014 Jul;11(3):679-95. (IF: 5.054)
 - Joshi P, **Turola E**, Ruiz A, Bergami A, Libera DD, Benussi L, Giussani P, Magnani G, Comi G, Legname G, Ghidoni R, Furlan R, Matteoli M, Verderio C. Microglia convert aggregated amyloid- β into neurotoxic forms through the shedding of microvesicles. *Cell Death Differ*. 2013 Dec 13 (IF 8.184)
 - Verderio C, Muzio L, **Turola E**, Bergami A, Novellino L, Ruffini F, Riganti L, Corradini I, Francolini M, Garzetti L, Maiorino C, Servida F, Vercelli A, Rocca M, Dalla Libera D, Martinelli V, Comi G, Martino G, Matteoli M, Furlan R. Myeloid microvesicles are a marker and therapeutic target for neuroinflammation. *Ann Neurol*. 2012 Oct;72(4):610-24. (IF 9.977)
 - Villa E, Vukotic R, Cammà C, Petta S, Di Leo A, Gitto S, **Turola E**, Karampatou A, Losi L, Bernabucci V, Cenci A, Tagliavini S, Baraldi E, De Maria N, Gelmini R, Bertolini E, Rendina M, Francavilla A. Reproductive status is associated with the severity of fibrosis in women with hepatitis C. *PLoS One*. 2012;7(9):e44624. (IF 3.234)
 - Villa E, Cammà C, Marietta M, Luongo M, Critelli R, Colopi S, Tata C, Zecchini R, Gitto S, Petta S, Lei B, Bernabucci V, Vukotic R, De Maria N, Schepis F, Karampatou A, Caporali C, Simoni L, Del Buono M, Zambotto B, **Turola E**, Fornaciari G, Schianchi S, Ferrari A, Valla D. Enoxaparin prevents portal vein thrombosis and liver decompensation in patients with advanced cirrhosis. *Gastroenterology*. 2012 Nov;143(5):1253-60.e1-4. (IF 16.716)
 - **Turola E**, Furlan R, Bianco F, Matteoli M, Verderio C. Microglial microvesicle secretion and intercellular signaling. *Front Physiol*. 2012;3:149. (IF: 3.5)
 - Antonucci F, **Turola E**, Riganti L, Caleo M, Gabrielli M, Perrotta C, Novellino L, Clementi E, Giussani P, Viani P, Matteoli M, Verderio C. Microvesicles released from microglia stimulate synaptic activity via enhanced sphingolipids metabolism. *EMBO J*. 2012 Jan 13;31(5):1231-40. (IF 10.434)



- Oral communication
- Liver Gymnasium 2 "Overfeeding accelerates thioacetamide-induced liver damage in zebrafish". 18th-19th June 2015, Padova, Italy.
 - Women in Hepathology. "Zebrafish as a model of liver steatosis and inflammation". 28th-29th May 2015, Modena, Italy.
 - Women in Hepathology. "The fat Fish". 09th-10th May 2014, Modena, Italy.
 - International Liver CongressTM 2013. ePoster Oral presentation. "Diet-induced obesity and steatosis model in zebrafish: characterization of liver damage in a gender and age perspective.". April 24-28, 2013, Amsterdam, The Netherlands.
 - AVANTI CEND! 2012 Una giornata di incontro alla ricerca di sinergie nella lotta contro le malattie neurodegenerative. "Ruolo delle microvescicole di origine microgliale nella tossicità da amiloide" 28th February 2012, Milan, Italy.
 - IV Convegno Monotematico della SIF. Immunità e infiammazione nelle malattie del cervello: nuovi bersagli farmacologici per terapie innovative. "Microvesicles in the cerebrospinal fluid reflect microglia/macrophage activation in rodent and human neuro-inflammation". 14th November 2011, Milano, Italy.
 - 2nd retreat of the CNR Institute of Neuroscience. "CNS Increase of myeloid microvesicles in the cerebrospinal fluid as biomarker of microglia/macrophage activation in neuroinflammatory disorders." January 19-22, 2011 Cavalese (TN).
 - XIV Annual Meeting of PhD candidates in Pharmacology and Related Sciences. "Increase of myeloid microvesicles in the cerebrospinal fluid as biomarker of microglia/macrophage activation in neuroinflammatory disorders." September 20-23, 2010. Siena, Italy.
- Poster /Abstract
- Critelli RM, Milosa F, Lei B, Marzi L, Condello R, Turola E, De Maria N, Maiorana A, Giannelli G, Villa E. Gene analysis maps HCC heterogeneity and orientates personalized therapy. AACR Special Conference on Developmental Biology and Cancer. November 30-December 3, 2015. Boston, MA
 - Turola E, Milosa F, Critelli R, Di Giovanni M, Cotelli F, Villa E. Overfeeding accelerates thioacetamide-induced liver damage in zebrafish. The 8th Annual Zebrafish Disease Models Conference (ZDM8), Boston, Massachusetts, August 24 – 27, 2015.
 - Prada I, Turola E, Cojoc D, Peruzzi F, Verderio C Glial microvesicles transfer mir-146a to neurons and modulate synaptotagmin translation. 25th Biennial Meeting of the International Society for Neurochemistry jointly with the 13th Meeting of the Asian-Pacific Society for Neurochemistry in conjunction with the 35th Meeting of the Australasian Neuroscience Society 23–27 August 2015, Cairns, Australia.
 - Prada I, Turola E, Amin L, Gabrielli M, Drago F, Franck J, Legname G, Furlan R, Vizioli J, Cojoc D, Peruzzi F, Verderio C. Glia-to-neuron shuttling of mir-146° via extracellular microvesicles modulates synaptotagmin I traslation in neurons. XII European Meeting on Glial Cells in Health and Disease, Bilbao, July 15 - 18, 2015

Poster /Abstract

- Joshi P, Turola E, Ruiz A, Bergami A, Libera DD, Benussi L, Falker C, Giussani P, Magnani G, Comi G, Legname G, Ghidoni R, Furlan R, Matteoli M, Verderio C. Effect of extracellular vesicles derived from distinct brain cells on A β toxicity and assembly: focus on Microglia derived vesicles. European Society for Neurochemistry Biannual Conference: Molecular Mechanisms of Regulation in the Nervous System, Tartu, Estonia 14–17 June 2015.
- Prada I, Turola E, D'Amico G, Lombardi M, Peruzzi F, Verderio C. Astrocyte-to-neuron shuttling of mir-146a via extracellular microvesicles regulates protein translation in neurons. 9th FENS forum 2014, July 5–9, 2014, Milan, Italy.
- Verderio C, Joshi P, Turola E, Ruiz A, Bergami A, Dalla Libera D, Comi G, Magnani G, Viani P, Giussani P, Legname G, Ghidoni R, Furlan R, Matteoli M. Pathogenic role of microglia-derived microvesicles in neuroinflammation and neurodegeneration. EMBL conferences. Microglia. Guardians of the brain. March 26–29, 2014. Heidelberg, Germany.
- Zanier ER, Pischiutta F, Riganti L, Marchesi F, Turola E, Fumagalli S, Perego C, Parotto E, Vinci P, Veglianesi P, D'Amico G, Verderio C, De Simoni MG. Bone marrow mesenchymal stromal cells drive protective M2 microglia polarization after brain trauma. The 11th Symposium of the International Neurotrauma Society, March 19–23, 2014 Budapest, Hungary.
- Critelli R, Milosa F, Turola E, Cammà C, Pontisso P, Cillo U, Villa E. A 5 genes signature identifies HCC with rapid growth. A prospective study. Liver Gymnasium, 13th March 2014, Padova, Italy.
- Verderio C, Prada I, Antonucci F, Turola E, Matteoli M, Peruzzi F. Extracellular Microvesicles as novel mediators of astrocyte-to-neuron communication. 45th annual ASN Meeting. March 8–12, 2014, Long Beach, CA.
- Joshi P, Turola E, Ruiz A, Bergami A, Libera DD, Benussi L, Giussani P, Magnani G, Comi G, Legname G, Ghidoni R, Furlan R, Matteoli M, Verderio C. Microglia convert aggregated amyloid- β into neurotoxic forms through the shedding of microvesicles. ESM colloque 2013, August 28–30, 2013, Bordeaux, France.
- Verderio C, Joshi P, Turola E, Ruiz A, Bergami A, Dalla Libera D, Comi G, Magnani G, Viani P, Giussani P, Legname G, Ghidoni R, Furlan R, Matteoli M. Pathogenic role of microglia derived microvesicles in neuroinflammation and neurodegeneration. XI European Meeting on Glial Cells in Health and Disease 3 – 6 July, 2013, Berlin, Germany.
- Turola E, Critelli R, Raos N, Mercorella S, Milosa F, Villa E. Diet-induced obesity and steatosis model in zebrafish: characterization of liver damage in a gender and age perspective. International Liver Congress™ 2013, 24–28 April, 2013, Amsterdam, The Netherlands.
- Villa E, Critelli R, Turola E, Lei B, Bertolini E, Milosa F, Colopi S, Ballestri S, Berselli A, Baldelli E, Meschiani E, Gerunda GE, Giannelli G, Loria P. TGF- β , Cyfra21 $_{\text{L}}$, IGF2 and IL $_{\text{8}}$ serum levels categorize hepatocellular carcinoma (HCC) with faster growth and shorter survival. International Liver Congress™ 2013, 24–28 April, 2013, Amsterdam, The Netherlands.
- Verderio C, Pooja J, Turola E, Ruiz A, Bergami A, Magnani G, Comi G, Dalla Libera D, Legname G, Ghidoni R, Furlan R, Matteoli M. Microglia convert inert Abeta aggregates into neurotoxic amyloid- species through the shedding of microvesicles. Second International Meeting of ISEV April 17–20, 2013, Boston, MA.
- Villa E, Critelli RM, Lei B, Marzocchi G, Bertolini E, Colopi S, Maccio L, Martinez-Chantar ML, Losi L, Caporali C, Schepis F, Giannelli G, Di Benedetto F, De Maria N, Turola E, Milosa F, Ballestri S, Del Buono M, Gerunda GE, Loria P. Six-weeks imaging re-evaluation identifies patients with faster growing hepatocellular carcinoma (HCC) and worst prognosis. A prospective imaging/molecular study. The liver meeting 63rd Annual Meeting of the AASLD, November 9–13, 2012, Boston, MA.

- Poster /Abstract
- Turola E, Joshi P, Donzelli A, Ruiz A, Comi G, Buffo A, Braida D, Furlan R, Sala M, Verderio C, Matteoli M. Pathogenic role of microglia-derived microvesicles in Alzheimer's disease. Annual IN-CNR Meeting, 29th February- 3rd March 2012, Bressanone, Italy.
 - Joshi P, Turola E, Ruiz A, Bergami A, Libera DD, Benussi L, Giussani P, Magnani G, Comi G, Legname G, Ghidoni R, Furlan R, Matteoli M, Verderio C. Microglia-derived microvesicles convert A β 1-42 amyloid peptide from inert to neurotoxic. 35th SIF Congress 2011. September 14-17, 2011. Bologna, Italy.
 - Turola E, Muzio, Bergami A, Ruffini F, Novellino L, Riganti L, Francolini M, Vercelli A, Comi G, Martino G, Matteoli M, Furlan R, Verderio C. Microvesicles in the cerebrospinal fluid reflect microglia/macrophage activation in rodent and human neuro-inflammation. 10th European meeting on Glial Cells in Health and Disease. September 13-17, 2011, Prague, Czech Republic.
 - Verderio C, Antonucci F, Turola E, Riganti L, Caleo M, Perrotta C, Clementi E, Giussani P, Viani P, Matteoli M; Microvesicles shed from microglia represent a new pathway of glia-to-neuron communication. 10th European meeting on Glial Cells in Health and Disease. September 13-17, 2011, Prague, Czech Republic
 - Turola E, Muzio L, Bergami A, Novellino L, Ruffini R, Riganti R, Corradini I, Francolini M, Garzetti L, Maiorino C, Servida F, Vercelli A, Martinelli V, Comi G, Martino G, Matteoli M, Furlan R, Verderio C. CNS Increase of myeloid microvesicles in the cerebrospinal fluid as biomarker of microglia/macrophage activation in neuroinflammatory disorders. Annual IN-CNR Meeting January 19-22, 2011 Cavalese (TN), Italy.
 - Turola E, Verderio C. XIV Annual Meeting of PhD candidates in Pharmacology and Related Sciences. Increase of myeloid microvesicles in the cerebrospinal fluid as biomarker of microglia/macrophage activation in neuroinflammatory disorders., September 20-23, 2010. Siena, Italy.
 - Turola E, Antonucci F, Riganti L, Giussani P, Viani P, Matteoli M, Verderio C.. Microvesicles shed from microglial cells upon ATP activation: a new pathway of glia-to-neuron communication. Riunione Nazionale Dottorandi e Borsisti SINS. May 27-28, 2010, Busto Arsizio (VA), Italy
 - Verderio C, Bergami A, Ruffini F, Novellino L, Riganti L, Turola E, Corradini I, Maiorino C, Francolini M, Gianvito M, Furlan R. Increase of myeloid microvesicles in the cerebrospinal fluid as biomarker of microglia/macrophage activation in neuroinflammatory disorders. Purines meeting, 30th of May - 1st of June 2010, Tarragona, Spain.
 - Antonucci F, Riganti L, Turola E, Giussani P, Viani P, Matteoli M, Verderio, C. Microvesicles shed from microglial cells upon ATP activation: a new pathway of glia-to-neuron communication. Purines meeting, 30th of May - 1st of June 2010, Tarragona, Spain.
 - Turola E, Antonucci F, Riganti L, Bergami A, Giussani P, Viani P, Furlan R, Peruzzi F, Matteoli M, Verderio C. Increase of myeloid microvesicles in the cerebrospinal fluid as biomarker of microglia/macrophage activation in neuroinflammatory disorders. Annual IN-CNR Meeting January 13-16, 2010 Cavalese (TN), Italy.
 - Novellino L, Perrotta C, Turola E, Corradini I, Riganti L, Antonucci F, Francolini M, Clementi E, Matteoli M, Verderio C. Microvesicle release from glial cells: in vitro and in vivo studies. National Congress of the Italian Society for Neuroscience, October 2-5, 2009, Milan, Italy.
 - Della Noce I, Pistocchi A, Turola E, Brusegan C, Carra S, Critelli R, De Lorenzo C, Sordino P, Villa E, Cotelli F, Schepis F. Expression analysis and functional characterization of the dro1/cl2 gene during zebrafish somitogenesis. VI European Zebrafish Genetics and Development Meeting, July 15-19, 2009, Rome, Italy

- Other Activities
- Member of National Council of Biologist (albo professionale dei biologi), section A since 25-09-2014
 - Coordinator and supervisor of experimental activity of students attending the Gastroenterology Laboratory for the preparation of the final thesis of medical biotechnology master degree at University of Modena and Reggio Emilia.
 - PLOS ONE Reviewer (2012-present)

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Reggio Emilia,
1/10/2016 

