

# ROSETTA RAGUSA



📍 Via Massimo D'Azeglio, 3-56125 Pisa Italy

📞 +39 3387887336

✉️ [rosetta.ragusa@sssup.it](mailto:rosetta.ragusa@sssup.it);  
rosetta.ragusa@gmail.com

Date of birth : 04 May 1986

## WORK EXPERIENCE

### July 2018-currently PhD- CNR Institute of Clinical Phisiology, Pisa

- Evaluation of circulating biomarkers of cardiac stress, damage and inflammation in blood samples of adults and children with heart failure by immunoassay kit
- Determination of miRNA profiling in heart and serum samples of pediatric heart failure patients
- Cell culture and cell transfection

### Nov 2014 – July 2018 PhD Student in Traslational Medicine- Scuola Superiore Sant'Anna, Pisa

- Evaluation of circulating biomarkers of cardiac stress, damage and inflammation in blood samples of children with (HF) by immunoassay kit
- Extraction of mRNA from cardiac tissue of children with HF supported by Ventricular Assist Device (VAD)

### Feb 2014– Aug 2014 Internship – CNR Institute of Clinical Phisiology, Pisa

- Extraction of mRNA and protein from rat and human tissues
- Real-Time PCR
- ELISA kit
- Western blot

### Nov 2012-Dec 2013 Internship of thesis-CNR institute of Clinical Phisiology, Pisa

- Extraction of mRNA and protein from human tissues
- Immonometric Assay
- Cellular and molecular biology techniques

## ACADEMIC EXPERIENCE

### 2014 – 2018 PhD Traslational Medicine-Scuola Superiore Sant'Anna of Pisa

Score: cum laude

Keywords: pediatric patients, pathophysiology of cardiovascular diseases, heart failure, remodelling, imflammation and Suppression of tumorigenicity 2 (ST2).

### 2010 – 2013 Master's degree Biology Apply to Biomedicine - University of Pisa

Score: 110/110 cum laude

Keywords: pathophysiology of cardiovascular diseases, heart failure, remodelling, imflammation and Suppression of tumorigenicity 2 (ST2).

## PUBLICATION

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- **Ragusa R**, Prontera C, Di Molfetta A, Cabiati M, Masotti S, Del Ry S, Amodeo A, Trivella MG, Clerico A, Caselli C. "Time-course of circulating cardiac and inflammatory biomarkers after ventricular assist device implantation: comparison between pediatric and adult population". Clin Chim Acta. 2018 Nov; 486:88-93.
- **Ragusa R**, Cabiati M, Guzzardi MG, D'amico A, Del Ry S, Caselli C."Effects of obesity on IL-33/ST2 system in heart, adipose tissue and liver: study in th experimental model of Zucker rats." Exp Mol Pathol. 2017 Mar 6;102(2):354-359.
- Caselli C, Prontera C, Liga R, De Graaf MA, Gaemperli O, Lorenzoni V, **Ragusa R**, Marinelli M, Del Ry S, Rovai D, Giannessi D, Aguade-Bruix S, Clemente A, Bax JJ, Lombardi M, Sicari R, Zamorano J, Scholte AJ, Kaufmann PA, Knuuti J, Underwood SR, Clerico A, Neglia D. "Effect of Coronary Atherosclerosis and Myocardial Ischemia on Plasma Levels of High-Sensitivity Troponin T and NTproBNP in Patients With Stable Angina." Arterioscler Thromb Vasc Biol. 2016 Apr;36(4):757-64
- Caselli C, Cangemi G, Masotti S, **Ragusa R**, Gennai I, Del Ry S, Prontera C, Clerico A. "Plasma cardiac troponin I concentrations in healthy neonates, children and adolescents measured with a high sensitive immunoassay method: High sensitive troponin I in pediatric age." Clin Chim Acta. 2016 Jul 1;458:68-71
- Caselli C, **Ragusa R**, Prontera C, Cabiati M, Cantinotti M, Federico G, Del Ry S, Trivella MG, Clerico A. "Distribution of circulating cardiac biomarkers in healthy children: from birth through adulthood." Biomark Med. 2016;10(4):357-65.
- Caselli C, D'Amico A, **Ragusa R**, Caruso R, Prescimone T, Cabiati M, Nonini S, Marraccini P, Del Ry S, Trivella MG, Parodi O, Giannessi D "IL-33/ST2 pathway and classical cytokines in end-stage heart failure patients submitted to left ventricular assist device support: a paradoxical role for inflammatory mediators?" Mediators Inflamm. 2013;2013:498703
- D'Amico A, **Ragusa R**, Caruso R, Prescimone T, Nonini S, Cabiati M, Del Ry S, Trivella MG, Giannessi D, Caselli C. "Uncovering the cathepsin system in heart failure patients submitted to lef ventricular assist device (LVAD) implatation". J Transl Med. 2014 Dec 12; 12:350.

## AWARD

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European Ligand Assay Society (ELAS) Congress. Bologna, 21-23 November 2016.

- **Premio "Renzo Malvano"**: **Ragusa R**, D'AmicoA, Campolo I, Cabiati M, Prescimone T, Marraccini P, Del Ry S, Trivella MG, Giannessi D, Caselli C. "Ruolo prognostico di ST2 in pazienti con scompenso cardiaco sottoposti ad impianto di dispositivi di assistenza ventricolare (LVAD)".

