

ANDREA BARAGETTI

Ph.D. / post-doc research fellow

Education

- July 2012 **Università degli Studi di Milano**
Official Qualification for Pharmacist profession
- 2006-2012 **Università degli Studi di Milano – Faculty of Pharmacy**
Doctor in Pharmacy
- 2001-2006 **Secondary Grammar School**

Research and academic experience

- 2016 to date **Università degli Studi di Milano**
Post-doc Fellowship
- November 2012 – December 2015 **Università G. d'Annunzio – School of Advanced Studies – Chieti (CH)**
Ph.D. Course XXVIII in Medical, Surgical, Clinical and Experimental Sciences (Curriculum "Vascular Damage")
- April 2014 – May 2016 **Università degli Studi di Milano**
Scholarship - Grant Telethon GGP13002
- April 2012 – April 2013 **Università degli Studi di Milano**
Research fellowship – Fondazione CARIPLO

Major achievements

- Premio Giovani Ricercatori at "Congresso SISA Lombardia", Milan 26-27 October 2012 for Oral Presentation
- Premio Giovani Ricercatori at "Congresso Nazionale SISA" Roma 27-29 November 2013
- Premio Giovani Ricercatori at "Congresso SISA Lombardia", Milan 4-5 October 2013
- Poster Presentation Award at "83rd EAS Congress", Glasgow 23-25 March 2015
- Premio Giovani Ricercatori at "Congresso SISA Lombardia", 16 October 2015
- Premio per la migliore presentazione orale at Spring Meeting dei gruppi Giovani Ricercatori di SIIA-SISA, Rimini 11st-12nd 2016
- Young Investigator Fellowship EAS 2016 Innsbruck, May 29- June 01 2016
- Winner of "Premio per la ricerca Giovanni Galli" at "Congresso Regionale SISA Sezione Lombardia", Milano 19-21 October 2017
- Winner of Premio SISA per migliori comunicazioni orali at "Congresso Nazionale SISA" Palermo 19-21 November 2017

Professional memberships

- Member of European Atherosclerosis Society - EAS (since 2012)
- Member of Società Italiana per lo Studio dell'Aterosclerosi – SISA (since 2012)
- Member of Società Italiana di Farmacologia – SIF (since 2015)

Collaborations

- 2010 to date:
Collaboration with Unity of Nephrology and Dialysis of Bassini Hospital (Cinisello Balsamo, MI) in prospective clinical studies. Research interests: dyslipidaemia, inflammation and cardiovascular risk in the context of Chronic Kidney Disease. Other interests are to nutritional status during dialysis.
- 2012 to date:
Collaboration in general population-based clinical studies (The PLIC Study) at the Center for the Study of Atherosclerosis – Bassini Hospital (Cinisello Balsamo, MI). Clinical research focusing on:
-association of circulating and genetic markers with the prognosis of cardiovascular disease;
-postprandial phase studies;
-analysis of risk factors for progression of markers of subclinical atherosclerosis.
Management of databases (University Center of Epidemiology and Preventive Pharmacology (Università degli Studi di Milano). Study of genotypic and phenotypic traits of dyslipidaemias, with special focus to Familial Hypercholesterolemia (FH).
- 2013 to date
Collaboration with Center for hepatology and metabolic diseases – Ospedale Maggiore Policlinico IRCCS, Università degli studi di Milano. Interest of research: detection of markers of hepatic steatosis and correlation with cardio-metabolic and atherosclerosis markers in the general population.
- 2016 to date
Collaboration with Istituto di Tecnologie Biomediche – Consiglio Nazionale delle Ricerche and Institute of Genetic and Biomedical Research (Consiglio Nazionale delle Ricerche), Humanitas Clinical and Research Center for project involving the study of the associative and causal role of microbiome alterations and cardiovascular disease in humans.
- 2017 to date
Collaboration as young scientist in the REPROGRAM project (Horizon H2020-PHC-2015-two-stage) involving the evaluation of epigenetic mechanisms and reprogramming of innate immune cells in atherosclerosis management and other chronic inflammatory diseases.

Most relevant publications (n=5)

1) "High density lipoprotein cholesterol levels are an independent predictor of the progression of chronic kidney disease" J Int Med 2013; 274(3):252-62. doi: 10.1111/joim.12081. Epub 2013 May 11

Baragetti A, Norata GD, Sarcina C, Rastelli F, Grigore L, Garlaschelli K, Ubaldi P, Baragetti I, Pozzi C, Catapano AL

2) "Telomere shortening over 6 years is associated with increased subclinical carotid vascular damage and a worse cardiovascular prognosis in the general population" J Intern Med. 2015 Apr;277(4):478-87. doi: 10.1111/joim.12282. Epub 2014 Jul 19.

Baragetti A, Palmen J, Garlaschelli K, Grigore L, Pellegatta F, Tragni E, Catapano AL, Humphries SE, Norata GD, Talmud PJ

3) "Obesity-Induced Metabolic Stress Leads to Biased Effector Memory CD4+ T Cell Differentiation via PI3K p110δ-Akt-Mediated Signals." Cell Metab. 2017 Jan 30. pii: S1550-4131(17)30043-8. doi: 10.1016/j.cmet.2017.01.008

Mauro C, Smith J, Cucchi D, Coe D, Fu H, Bonacina F, **Baragetti A**, Cermenati G, Caruso D, Mitro N, Catapano AL, Ammirati E, Longhi MP, Okkenhaug K, Norata GD, Marelli-Berg FM

4) "Regulatory T Cell Migration Is Dependent on Glucokinase-Mediated Glycolysis". *Immunity*. 2017 Nov 21;47(5):875-889.e10. doi: 10.1016/j.immuni.2017.10.017.

Kishore M, Cheung KCP, Fu H, Bonacina F, Wang G, Coe D, Ward EJ, Colamatteo A, Jangani M, **Baragetti A**, Matarese G, Smith DM, Haas R, Mauro C, Wraith DC, Okkenhaug K, Catapano AL, De Rosa V, Norata GD, Marelli-Berg FM.

5) "PCSK9 deficiency results in increased ectopic fat accumulation in experimental models and in humans." *Eur J Prev Cardiol*. 2017 Nov;24(17):1870-1877. doi: 10.1177/2047487317724342. Epub 2017 Jul 31.

Baragetti A, Balzarotti G, Grigore L, Pellegatta F, Guerrini U, Pisano G, Fracanzani AL, Fargion S, Norata GD, Catapano AL.