

**PERSONAL  
INFORMATION**

Massimo Federici

**POSITION**

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Professor of Internal Medicine (SC 06/B1 - SSD MED/09)  
Department of Systems Medicine  
University of Rome Tor Vergata,  
Via Montpellier 1, 00133 Rome Italy

**EDUCATION  
AND TRAINING**Graduation:

1988  
High School (with honors), Liceo Scientifico A. Righi, Rome, Italy

1994  
Medical degree (cum laude), University of Tor Vergata, Rome, Italy

Postdoctoral Training:

1995  
Board of Medicine at University of Tor Vergata, Rome, Italy  
1996-1997  
Research Fellow at Joslin Diabetes Center, Boston USA

1995-1999  
Endocrinology and Metabolic Diseases Specialization (Clinical) at

University of Tor Vergata, Rome, Italy

### Academic Appointments:

1999-2002

Assistant Professor of Internal Medicine - MED/09 - Department of Internal Medicine, University of Tor Vergata, Rome, Italy

2002- 2006

Associate Professor MED/09 - Department of Internal Medicine, University of Tor Vergata, Rome, Italy

2006-2012

Full Professor MED-F/01 - Department of Internal Medicine, University of Tor Vergata, Rome, Italy

2010-2014

Adjunct Professor of Medicine, Department of Medicine, Division of Diabetes, University of Texas Health Science Center at San Antonio

2013-2018

Professor of Medicine MED/49 (Scienze Tecniche Dietetiche Applicate) Department of Systems Medicine, University of Tor Vergata, Rome, Italy

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2001-2013

Charge of health care activity (art.5 of D. Lgs. 517/99) at the Center of Atherosclerosis "Policlinico Tor Vergata University Hospital", Rome, Italy

2008-2018

### HEALTH CARE ACTIVITY

Manager of Clinical Program "Center for Atherosclerosis and Medical Day Hospital" (D.D.G. n.10, 06/08/2008) - " Policlinico Tor Vergata University Hospital", Rome, Italy

2018

Direction of UOC Internal Medicine-ambulatory activities - DH - PAC- PDTAs Doctors (DDG n. 232, 03/20/2018), "Policlinico Tor Vergata University Hospital", Rome, Italy

### PERSONAL SKILLS

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Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	C1	C1	C1	C1	C1

- Organization / Managerial Skills** 2015-to date  
 Coordinator of “Experimental and Systems Medicine” Ph.D. Programme, University of Tor Vergata, Rome, Italy
- 2006-to date  
 Coordinator in bachelor degree course of “Biotechnology Medical Application”, University of Tor Vergata, Rome, Italy
- 2004-to date  
 Postgraduate tutorial activity at University of Rome Tor Vergata (phd, specialty in endocrinology, geriatric medicine, internal medicine)
- 2016-2017  
 Quality Team Member GEV/06 - ANVUR (VQR) 2011-2014
- 2017- to date  
 Vice Dean of Medicine and Surgery Faculty, University of Tor Vergata, Rome, Italy
- 2015  
 51<sup>st</sup> EASD Meeting Program Committee member
- 2017-2019  
 Member of Scientific Committee of “European Foundation for the Study of Diabetes” and in charge for the Cardiovascular Area
- 2017-2019  
 Member of Task Force ESC/EASD for 2019 Guidelines CVD/Diabetes

Editorial and  
peer review  
scientific activity

2007-to date

Handling Editor di ***Acta Diabetologica*** (IF 3.4)

2009-2017

Associate Editor di ***Atherosclerosis*** (IF 4)

2009-2013

Academic Editor di ***PlosOne*** (IF 4.8)

2009-2013

Editorial Board di ***Cell Death and Disease*** (IF 4)

2007-2017

Guest Editor di ***Cell Death and Differentiation*** (IF 9)

2012-2013

Editorial Board di ***Diabetes Care*** (IF 8)

Peer review for the following journals:

Circulation, JACC, Cell Death and Differentiation, Diabetes, Diabetes Care, ATVB, JCEM, JBC, Stem Cells, Am J Cardiology, Cytokine, Nutr. Met. Card. Dis, Cardiovascular Diabetology, Diab Vasc Dis Res, Cell Death and Disease, Journal of Biological Chemistry, Atherosclerosis, Endocrinology

Grant Auditor

Programma di Ricerca a rilevante interesse nazionale (PRIN) del MIUR

Programma Rientro dei Cervelli del MIUR (call 2008)

French National Research Agency (ANR) (2009/2010/2011):  
Componente Commissione di Valutazione per settore SVSE/1

European Foundation for the Study of Diabetes (call 2008, call 2013)

Fondazione Ricerca Società Italiana di Diabetologia (call 2008)

Netherlands Organisation for Scientific Research (NWO) (call 2009)

European Commission FP7 call NMP.2011.1.2

NIH DP3 grant applications 2012

Juvenile Diabetes Research Foundation Research calls 2011-2012, 2013-2014, 2015-2016

British Heart Foundation

Program Manager, Cardiovascular Funding Program, EFSD 2017-2019

National and  
International  
Collaborations

**FLORINASH (FP7-HEALTH)**

"The role of intestinal microflora in non-alcoholic fatty liver disease

**EURHYTHDIA (FP7-HEALTH)**

"Chronotherapeutic lifestyle intervention for diabetes and obesity to reset the circadian rhythm and improve cardiometabolic risk in the European working population"

Funded projects in the last years:

2008-2011: TELETHON GRANT GGP08065 "Testing Timp3 as a switch to block metabolic and vascular complications of obesity"

2009-2012: FONDAZIONE ROMA Grant "Transmembrane proteases at the interface of metabolic clues and vascular complications of diabetes"

2011-2013: PRIN/MIUR 2009FATVW3\_002 "The role of cluster Mir-216/Mir-217 in metabolic disease"

2012-2014: AIRC IG 13163 "Exploring TIMP3 as potential therapeutic agent in obesity-related hepatocellular carcinoma"

2013-2016: EFSD/LILLY European Research Programme "TIMP3 modulates immune cell microenvironment in a model of metabolic disease"

2014-2016: National Coordinator, PRIN Project prot. 20123BJ89E "Genes, environment and metabolism: predictors, modifiers and markers of vascular aging and cardiometabolic risk"

2014-2017: Juvenile Diabetes Research Foundation grant 1-2007-665 "Role of Regulated Membrane Proteolysis in diabetes vascular complications"

2014-2017: Juvenile Diabetes Research Foundation grant 2014-262 "Modulation of TIMP3/ADAM17 dyad to block Diabetic Nephropathy"

2015-2018: Co-PI Italian Ministry of Health project RF-2011-02349921 "The role of the brain-adipocyte axis activity in potentiating antidepressant efficacy"

2016-2019: Co-PI, PRIN Project prot. 2015MPESJS\_004 "Molecular, translational and clinical aspects of age related metabolic diseases"

2019-2021: PRIN Project prot. 2017FM74HK "MICROBESOMICS: effect of gut microbiome on "obesitytypes" in human subjects"

## ADDITIONAL INFORMATION

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Principal bibliometric index (Scopus) Scopus author ID 7006237353  
Documents by author: 198  
H-index: 53  
Citations index: 10358

### Publications Selected publication in the last 10 years:

1. Rizza S, Clementi F, Porzio O, Cardellini M, Savo A, Serino M, Chiricolo G, Romeo F, Lauro R, **Federici M**. Adiponectin isoforms are not associated with the severity of coronary atherosclerosis but with undiagnosed diabetes in patients affected by stable CAD. *Nutr Metab Cardiovasc Dis*. 2009 Jan;19(1):54-60.

2. Menghini R, Menini S, Amoruso R, Fiorentino L, Casagrande V, Marzano V, Tornei F, Bertucci P, Iacobini C, Serino M, Porzio O, Hribal ML, Folli F, Khokha R, Urbani A, Lauro R, Pugliese G, **Federici M**. Tissue inhibitor of metalloproteinase 3 deficiency causes hepatic steatosis and adipose tissue inflammation in mice. *Gastroenterology*. 2009 Feb;136:663-72

3. Iacobini C, Menini S, Ricci C, Scipioni A, Sansoni V, Cordone S, Taurino M, Serino M, Marano G, **Federici M**, Pricci F, Pugliese G. Accelerated lipid-induced atherogenesis in galectin-3-deficient mice: role of lipoxidation via receptor-mediated mechanisms. *Arterioscler Thromb Vasc Biol*. 2009 Jun;29(6):831-6.

4. Bellia A, Giardina E, Lauro D, Tesauro M, Di Fede G, Cusumano G, **Federici M**, Rini GB, Novelli G, Lauro R, Sbraccia P. "The Linosa Study": epidemiological and heritability data of the metabolic syndrome in a Caucasian genetic isolate. *Nutr Metab Cardiovasc Dis*. 2009 Sep;19(7):455-61.

5. Monroy A, Kamath S, Chavez AO, Centonze VE, Veerasamy M, Barrentine A, Wewer JJ, Coletta DK, Jenkinson C, Jhingan RM, Smokler D, Reyna S, Musi N, Khokka R, **Federici M**, Tripathy D, DeFronzo RA, Folli F. Impaired regulation of the TNF-alpha converting enzyme/tissue inhibitor of metalloproteinase 3 proteolytic system in skeletal muscle of obese type 2 diabetic patients: a new mechanism of insulin resistance in humans. *Diabetologia*. 2009 Oct;52(10):2169-81.

6. Cardellini M, Menghini R, Martelli E, Casagrande V, Marino A, Rizza S, Porzio O, Mauriello A, Solini A, Ippoliti A, Lauro R, Folli F, **Federici M**.

TIMP3 is reduced in atherosclerotic plaques from subjects with type 2 diabetes and increased by SirT1. *Diabetes*. 2009 Oct;58(10):2396-401.

7. Rizza S, Tesauro M, Cardillo C, Galli A, Iantorno M, Gigli F, Sbraccia P, **Federici M**, Quon MJ, Lauro D. Fish oil supplementation improves endothelial function in normoglycemic offspring of patients with type 2 diabetes. *Atherosclerosis*. 2009 Oct;206(2):569-74.

8. Menghini R, Casagrande V, Cardellini M, Martelli E, Terrinoni A, Amati F, Vasa-Nicotera M, Ippoliti A, Novelli G, Melino G, Lauro R, **Federici M**. MicroRNA 217 modulates endothelial cell senescence via silent information regulator 1. *Circulation*. 2009 Oct 13;120(15):1524-32.

9. Rogliani P, Curradi G, Mura M, Lauro D, **Federici M**, Galli A, Saltini C, Cazzola M. Metabolic syndrome and risk of pulmonary involvement. *Resp Med*. 2010 Jan;104(1):47-51.

10. Fiorentino L, Vivanti A, Cavallera M, Marzano V, Ronci M, Fabrizi M, Menini S, Pugliese G, Menghini R, Khokha R, Lauro R, Urbani A, **Federici M**. Increased tumor necrosis factor alpha-converting enzyme activity induces insulin resistance and hepatosteatosis in mice. *Hepatology*. 2010 Jan;51(1):103-10.

11. Rizza S, Gigli F, Galli A, Michelini B, Lauro D, Lauro R, **Federici M**. Adiponectin isoforms in elderly patients with or without coronary artery disease. *J Am Geriatr Soc*. 2010 Apr;58:702-6.

12. Fadini GP, Albiero M, Boscaro E, Menegazzo L, Cabrelle A, Piliago T, **Federici M**, Agostini C, Avogaro A. Rosuvastatin stimulates clonogenic potential and anti-inflammatory properties of endothelial progenitor cells. *Cell Biol Int*. 2010 Jul;34(7):709-15.

13. Murthy A, Defamie V, Smookler DS, Di Grappa MA, Horiuchi K, **Federici M**, Sibilio M, Blobel CP, Khokha R. Ectodomain shedding of EGFR ligands and TNFR1 dictates hepatocyte apoptosis during fulminant hepatitis in mice. *J Clin Invest*. 2010 Aug;120(8):2731-44.

14. Rizza S, Cardellini M, Martelli E, Porzio O, Pecchioli C, Nicolucci A, Marx N, Lauro D, Ippoliti A, Romeo F, Lauro R, **Federici M**. Occult impaired glucose regulation in patients with atherosclerosis is associated to the number of affected vascular districts and inflammation. *Atherosclerosis*. 2010 Sep;212(1):316-20.

15. Guglielmi V, D'Adamo M, D'Apice MR, Bellia A, Lauro D, **Federici M**, Lauro R, Novelli G, Sbraccia P. Elbow deformities in a patient with mandibuloacral dysplasia type A. *Am J Med Genet A*. 2010 Nov;152A(11):2711-3.

16. **Federici M**, Menghini R. sPLA2: linking atherosclerosis to aneurysm progression. *Atherosclerosis*. 2011;214:41-2.

17. Mammi C, Pastore D, Lombardo MF, Ferrelli F, Caprio M, Consoli C, Tesauro M, Gatta L, Fini M, **Federici M**, Sbraccia P, Donadel G, Bellia A, Rosano GM, Fabbri A, Lauro D. Sildenafil reduces insulin-resistance in human endothelial cells. *PLoS One*. 2011 Jan 28;6(1):e14542.
18. Bacci S, Rizza S, Prudente S, Spoto B, Powers C, Facciorusso A, Pacilli A, Lauro D, Testa A, Zhang YY, Di Stolfo G, Mallamaci F, Tripepi G, Xu R, Mangiacotti D, Aucella F, Lauro R, Gervino EV, Hauser TH, Copetti M, De Cosmo S, Pellegrini F, Zoccali C, **Federici M**, Doria A, Trischitta V. The ENPP1 Q121 variant predicts major cardiovascular events in high-risk individuals: evidence for interaction with obesity in diabetic patients. *Diabetes*. 2011 Mar;60(3):1000-7.
19. Rizza S, Cardellini M, Porzio O, Pecchioli C, Savo A, Cardolini I, Senese N, Lauro D, Sbraccia P, Lauro R, **Federici M**. Pioglitazone improves endothelial and adipose tissue dysfunction in pre-diabetic CAD subjects. *Atherosclerosis*. 2011 Mar;215(1):180-3.
20. Bellia A, Garcovich C, D'Adamo M, Lombardo M, Tesauro M, Donadel G, Gentileschi P, Lauro D, **Federici M**, Lauro R, Sbraccia P. Serum 25-hydroxyvitamin D levels are inversely associated with systemic inflammation in severe obese subjects. *Intern Emerg Med*. 2011 Mar 25.
21. Rizza S, **Federici M**. Cytokines and metabolic syndrome: the perfect storm for arterial aging. *Atherosclerosis*. 2011 Apr;215(2):284-5.
22. Iacobini C, Menini S, Ricci C, Blasetti Fantauzzi C, Scipioni A, Salvi L, Cordone S, Delucchi F, Serino M, **Federici M**, Pricci F, Pugliese G. Galectin-3 ablation protects mice from diet-induced NASH: a major scavenging role for galectin-3 in liver. *J Hepatol*. 2011 May;54(5):975-83.
23. Vasa-Nicotera M, Chen H, Tucci P, Yang AL, Saintigny G, Menghini R, Mahè C, Agostini M, Knight RA, Melino G, **Federici M**. miR-146a is modulated in human endothelial cell with aging. *Atherosclerosis*. 2011 Aug;217(2):326-30
24. Menghini R, **Federici M**. MicroPPARticle in atherosclerosis: guilty or innocent by-standers? *Atherosclerosis*. 2011 Sep;218(1):21-2
25. Lombardo MF, De Angelis F, Bova L, Bartolini B, Bertuzzi F, Nano R, Capuani B, Lauro R, **Federici M**, Lauro D, Donadel G. Human placental lactogen (hPL-A) activates signaling pathways linked to cell survival and improves insulin secretion in human pancreatic islets. *Islets*. 2011 Sep-Oct;3(5):250-8. 2011 Aug;217(2):326-30.
26. Avogaro A, **Federici M**, Betteridge J, Bonadonna R, Campbell IW, Scherthaner GH, Staels B, Farinero E, Crepaldi G. Which is the eligible patient to be treated with pioglitazone? The expert view. *J Endocrinol Invest*. 2011 Nov;34(10):781-7.

27. Cardellini M, Menghini R, Luzi A, Davato F, Cardolini I, D'Alfonso R, Gentileschi P, Rizza S, Marini MA, Porzio O, Lauro D, Sbraccia P, Lauro R, **Federici M**. Decreased IRS2 and TIMP3 expression in monocytes from offspring of type 2 diabetic patients is correlated with insulin resistance and increased intima-media thickness. *Diabetes*. 2011 Dec;60:3265-70.
28. Marchetti C, Di Carlo A, Facchiano F, Senatore C, De Cristofaro R, Luzi A, **Federici M**, Romani M, Napolitano M, Capogrossi MC, Germani A. High mobility group box 1 is a novel substrate of dipeptidyl peptidase-IV. *Diabetologia*. 2012 Jan;55(1):236-44.
29. Casagrande V, Menghini R, Menini S, Marino A, Marchetti V, Cavalera M, Fabrizi M, Hribal ML, Pugliese G, Gentileschi P, Schillaci O, Porzio O, Lauro D, Sbraccia P, Lauro R, **Federici M**. Overexpression of tissue inhibitor of metalloproteinase 3 in macrophages reduces atherosclerosis in low-density lipoprotein receptor knockout mice. *Arterioscler Thromb Vasc Biol*. 2012 Jan;32:74-81.
30. Menghini R, Casagrande V, Menini S, Marino A, Marzano V, Hribal ML, Gentileschi P, Lauro D, Schillaci O, Pugliese G, Sbraccia P, Urbani A, Lauro R, **Federici M**. TIMP3 overexpression in macrophages protects from insulin resistance, adipose inflammation, and nonalcoholic fatty liver disease in mice. *Diabetes*. 2012 Feb;61(2):454-62.
31. Bellia A, Rizza S, Lombardo MF, Donadel G, Fabiano R, Andreadi K, Quon MJ, Sbraccia P, **Federici M**, Tesauro M, Cardillo C, Lauro D. Deterioration of glucose homeostasis in type 2 diabetic patients one year after beginning of statins therapy. *Atherosclerosis*. 2012 Jul;223(1):197-203.
32. Rizza S, Copetti M, Cardellini M, Porzio O, Luzi A, Pecchioli C, Martelli E, Valentini A, Ippoliti A, Romeo F, Pellegrini F, Lauro D, Lauro R, **Federici M**. Atherosclerosis severity but not undiagnosed diabetes predicts new cardiovascular events of subjects in secondary cardiovascular prevention. *Atherosclerosis*. 2012 Aug;223(2):448-53.
33. Stoehr R, **Federici M**. Do stem cells cause aging-related intimal medial thickening? *Atherosclerosis*. 2012 Sep;224(1):39-40.
34. Rufini A, Niklison-Chirou MV, Inoue S, Tomasini R, Harris IS, Marino A, **Federici M**, Dinsdale D, Knight RA, Melino G, Mak TW. TAp73 depletion accelerates aging through metabolic dysregulation. *Genes Dev*. 2012 Sep 15;26(:2009-14.
35. Monteleone I, **Federici M**, Sarra M, Franzè E, Casagrande V, Zorzi F, Cavalera M, Rizzo A, Lauro R, Pallone F, MacDonald TT, Monteleone G. Tissue inhibitor of metalloproteinase-3 regulates inflammation in human and mouse intestine. *Gastroenterology*. 2012 Nov;143(5):1277-87
36. Bellia A, Marinoni G, D'Adamo M, Guglielmi V, Lombardo M, Donadel G, Gentileschi P, Lauro D, **Federici M**, Lauro R, Sbraccia P. Parathyroid

hormone and insulin resistance in distinct phenotypes of severe obesity: a cross-sectional analysis in middle-aged men and premenopausal women. *J Clin Endocrinol Metab.* 2012 Dec;97(12):4724-32.

37. Bacci S, Prudente S, Copetti M, Spoto B, Rizza S, Baratta R, Di Pietro N, Morini E, Di Paola R, Testa A, Mallamaci F, Tripepi G, Zhang YY, Mercuri L, Di Silvestre S, Lauro R, Malatino L, Consoli A, Pellegrini F, Pandolfi A, Frittitta L, Zoccali C, **Federici M**, Doria A, Trischitta V. Joint effect of insulin signaling genes on cardiovascular events and on whole body and endothelial insulin resistance. *Atherosclerosis.* 2013 Jan;226(1):140-5.

38. Rappa, F, Greco, A, Podrini, C, Cappello, F, Foti, M, Bourgoin, L, Peyrou, M, Marino, A, Scibetta, N, Williams, R, Mazzoccoli, G, **Federici, M**, Paziienza, V, Vinciguerra, M. Immunopositivity for histone macroH2A1 isoforms marks steatosis-associated hepatocellular carcinoma. *PLoS One.* 2013;8(1):e54458. doi: 10.1371/journal.pone.005445

39. Fiorentino L, Cavalera M, Menini S, Marchetti V, Mavilio M, Fabrizi M, Conserva F, Casagrande V, Menghini R, Pontrelli P, Arisi I, D'Onofrio M, Lauro D, Khokha R, Accili D, Pugliese G, Gesualdo L, Lauro R, **Federici M**. Loss of TIMP3 underlies diabetic nephropathy via FoxO1/STAT1 interplay. *EMBO MOLECULAR MEDICINE* 2013 Mar;5(3):441-55

40. Menghini R, Fiorentino L, Casagrande V, Lauro R, **Federici M**. The role of ADAM17 in Metabolic Inflammation. *Atherosclerosis* 2013 6.487May;228(1):12-7.

41. Menghini R, Uccioli L, Vainieri E, Pecchioli C, Casagrande V, Stoehr R, Cardellini M, Porzio O, Rizza S, **Federici M**. Expression of tissue inhibitor of metalloprotease 3 is reduced in ischemic but not neuropathic ulcers from patients with type 2 diabetes mellitus. *Acta Diabetol.* 2013 Dec;50(6):907-

10

42. Avogaro A, Vigili de Kreutzenberg S, **Federici M**, Fadini GP. The Endothelium abridges Insulin Resistance to Premature Ageing. *J Am Heart Assoc.* 2013 Jun 21;2(3):e000262

43. Menghini R, Casagrande V, Lauro R, **Federici M**. MicroRNAs in endothelial senescence and atherosclerosis *Journal of Cardiovascular Translational Research* 2013 Dec;6(6):924-30

44. Fiorentino L, Cavalera M, Mavilio M, Conserva F, Menghini R, Gesualdo L, **Federici M**. Regulation of TIMP3 in diabetic nephropathy: a role for microRNAs. *Acta Diabetol.* 2013 Dec;50(6):965-9.

45. Menzaghi C, Bacci S, Salvemini L, Mendonca C, Palladino G, Fontana A, De Bonis C, Marucci A, Goheen E, Prudente S, Morini E, Rizza S, Kanagaki A, Fini G, Mangiacotti D, **Federici M**, De Cosmo S, Pellegrini F, Doria A, Trischitta V. Serum resistin, cardiovascular disease and all-cause

mortality in patients with type 2 diabetes. PLoS One. 2013 Jun 3;8(6):e64729.

46. Tripathy D, Daniele G, Fiorentino TV, Perez-Cadena Z, Chavez-Velasquez A, Kamath S, Fanti P, Jenkinson C, Andreozzi F, **Federici M**, Gastaldelli A, DeFronzo RA, Folli F. Pioglitazone improves glucose metabolism and modulates skeletal muscle TIMP-3-TACE dyad in type 2 diabetes mellitus: a randomised, double-blind, placebo-controlled, mechanistic study. Diabetologia. 2013 Oct;56(10):2153-63

47. Stoehr R, **Federici M**. Insulin resistance and atherosclerosis: convergence between metabolic pathways and inflammatory nodes. Biochem J. 2013 Aug 15;454(1):1-11

48. Saraceno R, Rizza S, Faleri S, **Federici M**, Nistico SP, Copetti M, Chimenti S. High density cholesterol level as predictor of clinical response to anti-TNF-alpha therapy in psoriatic patients. J Biol Regul Homeost Agents. 2013 Jul-Sep;27(3):903-8.

49. Marino A, Menghini R, Fabrizi M, Casagrande V, Mavilio M, Stoehr R, Candi E, Mauriello A, Moreno-Navarrete JM, Gómez-Serrano M, Peral B, Melino G, Lauro R, Fernandez Real JM, **Federici M**. ITC deficiency protects from diet-induced obesity. Diabetes. 2014 Feb;63:550-61.

50. Bellia A, Salli M, Lombardo M, D'Adamo M, Guglielmi V, Tirabasso C, Giordani L, **Federici M**, Lauro D, Foti C, Sbraccia P. Effects of Whole Body Vibration Plus Diet on Insulin-Resistance in Middle-Aged Obese Subjects. Int J Sports Med. 2014 Jun;35(6):511-6.

51. Marchetti C, Chojnacki J, Toldo S, Mezzaroma E, Tranchida N, Rose SW, **Federici M**, Van Tassell BW, Zhang S, Abbate A. A NOVEL PHARMACOLOGIC INHIBITOR OF THE NLRP3 INFLAMMASOME LIMITS MYOCARDIAL INJURY FOLLOWING ISCHEMIA-REPERFUSION IN THE MOUSE. J Cardiovasc Pharmacol. 2014 Apr;63(4):316-22.

52. Daniele G, Guardado Mendoza R, Winnier D, Fiorentino TV, Pengou Z, Cornell J, Andreozzi F, Jenkinson C, Cersosimo E, **Federici M**, Tripathy D, Folli F. The inflammatory status score including IL-6, TNF- $\alpha$ , osteopontin, fractalkine, MCP-1 and adiponectin underlies whole-body insulin resistance and hyperglycemia in type 2 diabetes mellitus. Acta Diabetol. 2014 Feb;51(1):123-31.

53. Stöhr R, Marx N, **Federici M**. Tick-tock: Is your cardiometabolic risk on the clock? Diab Vasc Dis Res. 2014 Mar;11(2):66-74.

54. Fabrizi M, Marchetti V, Mavilio M, Marino A, Casagrande V, Cavalera M, Moreno Navarrete JM, Mezza T, Sorice GP, Fiorentino L, Menghini R, Lauro R, Monteleone G, Giaccari A, Fernandez Real JM, **Federici M**. IL-21 is a major negative regulator of IRF4-dependent lipolysis affecting Tregs in

adipose tissue and systemic insulin sensitivity. *Diabetes*. 2014 Jun;63(6):2086-96.

55. Menghini R, Stöhr R, **Federici M**. MicroRNAs in vascular aging and atherosclerosis. *Ageing Res Rev*. 2014 Mar 27.

56. Menghini R, Casagrande V, Marino A, Marchetti V, Cardellini M, Stoehr R, Rizza S, Martelli E, Greco S, Mauriello A, Ippoliti A, Martelli F, Lauro R, **Federici M**. MiR-216a: a link between endothelial dysfunction and autophagy. *Cell Death Dis*. 2014 Jan 30;5:e1029.

57. Rizza S, Copetti M, Rossi C, Cianfarani MA, Zucchelli M, Luzi A, Pecchioli C, Porzio O, Di Cola G, Urbani A, Pellegrini F, **Federici M**. Metabolomics signature improves the prediction of cardiovascular events in elderly subjects. *Atherosclerosis*. 2014 Feb;232(2):260-4.

58. Menghini R, Campia U, Tesauro M, Marino A, Rovella V, Rodia G, Schinzari F, Tolusso B, di Daniele N, **Federici M**, Zoli A, Ferraccioli G, Cardillo C. Toll-Like Receptor 4 Mediates Endothelial Cell Activation Through NF- $\kappa$ B but Is Not Associated with Endothelial Dysfunction in Patients with Rheumatoid Arthritis. *PLoS One*. 2014 Jun 11;9(6):e99053.

59. Stöhr R, Cavalera M, Menini S, Mavilio M, Casagrande V, Rossi C, Urbani A, Cardellini M, Pugliese G, Menghini R, **Federici M**. Loss of TIMP3 exacerbates atherosclerosis in ApoE null mice. *Atherosclerosis*. 2014 Jun 4;235(2):438-443

60. Pacifici F, Arriga R, Sorice GP, Capuani B, Scioli MG, Pastore D, Donadel G, Bellia A, Caratelli S, Coppola A, Ferrelli F, **Federici M**, Sconocchia G, Tesauro M, Sbraccia P, Della-Morte D, Giaccari A, Orlandi A, Lauro D. Peroxiredoxin 6, a Novel Player in the Pathogenesis of Diabetes. *Diabetes*. 2014 Oct;63(10):3210-20. doi: 10.2337/db14-0144.

61. Ferrelli F, Pastore D, Capuani B, Lombardo MF, Blot-Chabaud M, Coppola A, Basello K, Galli A, Donadel G, Romano M, Caratelli S, Pacifici F, Arriga R, Di Daniele N, Sbraccia P, Sconocchia G, Bellia A, Tesauro M, **Federici M**, Della-Morte D, Lauro D. Serum glucocorticoid inducible kinase (SGK)-1 protects endothelial cells against oxidative stress and apoptosis induced by hyperglycaemia. *Acta Diabetol*. 2015 Feb;52(1):55-64. doi: 10.1007/s00592-014-0600-4

62. Guglielmi V, Maresca L, D'Adamo M, Di Roma M, Lanzillo C, **Federici M**, Lauro D, Preziosi P, Bellia A, Sbraccia P. Age-related different relationships between ectopic adipose tissues and measures of central obesity in sedentary subjects. *PLoS One*. 2014 Jul 22;9(7):e103381.

63. Menzaghi C, Fontana A, Copetti M, Rizza S, Spoto B, Buranasupkajorn P, Tripepi, Marucci A, Bailetti D, Hastings T, Testa A, Mendonca C, Mallamaci F, De Cosmo S, Bacci S, **Federici M**, Doria A, Zoccali C,

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Rome, 22/6/2020

Massimo Federici

