

- **Cristiano Fava**

**Medical Doctor**

**Internal Medicine Specialist**

**PhD**

**Associate professor**

- Cristiano Fava was born in Belluno (Italy) on the 16th of November 1974.
- Attended High School at Lyceum Gymnasium "Tiziano" of Belluno till 1993.
- Medical degree with honors at University of Verona in 1999.
- Specialization in Internal medicine with honors at University of Verona in 2004.
- During the Specialization course and thereafter Cristiano Fava made different stages, for an overall period of nearly 15 months at the "Wallenberg Laboratory" and at the "Clinical Research Centre" aggregated to the Department of Clinical Sciences of the University of Lund (UMAS" Hospital in Malmö) working on different research projects about genetics of complex disease and in particular of hypertension using molecular biology techniques.
- PhD degree (17th Of December 2007) at Lund University (Sweden) presenting the thesis "Heritability of blood pressure: monogenes and polygenes"
- "Dottorato di ricerca" degree at Verona University (22nd of April 2008) presenting the thesis: "Metabolites of arachidonic acid via cytochrome P450 in human hypertension"
- From May 2006 researcher (equivalent of assistant professor) at the University of Verona.
- From November 2014 associate professor at dep. of Medicine - University of Verona.
- Judged appropriate to the functions of full professor in the contest of the "National Scientific Competition" 2017 in the competitive sector INTERNAL MEDICINE (6/B1).

## **Research activity**

Cristiano Fava has been performing his research activity in different fields (see beyond) participating in the design, execution and finalization of several research projects. Cristiano Fava participated to several National and International Scientific meeting presenting his abstracts and has published more than 60 full-articles in international peer-reviewed journals indexed in Scopus and Web of Science. Total Impact Factor (I.F.) for the published articles is >330 and mean I.F. of journals is 5.3. Total number of citation is >1900 (Web of Science). Cristiano Fava's H-index is 21 (Web of Science). In 60% of published articles Cristiano Fava is first or last author.

### **Scientific interests and research field:**

- Experimental and clinical aspects of arterial hypertension and cardiovascular risk factors
- Experimental and clinical aspects of endothelial function and oxidative stress.
- Experimental and clinical aspects of arterial stiffness
- Oxidative stress, isoprostanes and platelet activation in cardiovascular disease
- Eicosanoids in the development of renovascular hypertension, essential hypertension and pre-eclampsia
- Heritability of blood pressure and blood pressure variability.
- Heritability of metabolic syndrome and its individual components.
- Genes implicated in blood pressure regulation and metabolic syndrome development
- Monogenic forms of hypo-/hypertension and in particular Gitelman syndrome
- Secondary forms of hypertension
- Pharmacogenetics of antihypertensive and other types of cardiovascular drugs
- Nutritional aspect in the development of obesity and hypertension in children and adults
- Nutritional aspect in the development of early vascular damage
- Experimental and clinical aspects of non-alcoholic fatty liver disease
- Pathophysiology of hypertension induced by anti-angiogenic drugs.
- Vascular changes during physiologic and pre-eclamptic pregnancy.

### **Awards/Travel grant for meritorious scientific abstracts**

- 2004 ISH Young Investigator Award from the International Society of Hypertension.
- 2005 ASH Young Investigator Award from the American Society of Hypertension.
- 2006 ESH Travel grant from the European Society of Hypertension.
- 2007 9th Winter Eicosanoid Conference Travel grant from NIEHS.
- 2007 ESH Travel grant from the European Society of Hypertension.
- 2008 10th International Winter Eicosanoid Conference Travel grant from NIEHS.
- 2008 “Joint ESH/ISH Travel Grant” from “European and International Society of Hypertension”.
- 2009 ESH International Travel grant from the European Society of Hypertension.
- 2010 12th Winter Eicosanoid Conference Travel grant from NIEHS
- 2013 Eberhard F. Mammen Most Popular awards for a paper published in the journal '*Seminars in Thrombosis & Hemostasis*'

### **Research grants:**

- **GR-2009-drg 2158 of Italian Ministry of Health:** granted. Role: participant of Verona Unit..
- **FIRB 2010 (RBF10V1ML) of Italian Ministry of University and Research:** Positive judgement but not admitted to grant. Role: principal investigator.
- **PRIN 2011 of Italian Ministry of University and Research:** granted. Role: participant in Verona Unit.
- **GR-2011-02349630 of Italian Ministry of Health:** granted. Role: principal investigator.
- **CARIVERONA 2014:** granted. Role: participant in a Unit.
- **CARIVERONA 2016:** granted. Role: responsible for a Unit.

### **Editorial board**

2012-2015 member of the Editorial Board of the “Journal of Hypertension”.

### **Activity as referee**

- *The Lancet*
- *JAMA*
- *British Journal of Medicine*
- *Circulation*
- *Hypertension*
- *Kidney International*
- *Journal of Hypertension*
- *American Journal of Cardiology*
- *Heart*
- *Plos One*
- *Annals of Medicine*
- *British Journal of Clinical Pharmacology*
- *British Journal of Pharmacology*
- *Journal of Cellular and Molecular Medicine*
- *Nutrition, Metabolism and Cardiovascular Diseases*
- *American Journal of Hypertension*
- *European Journal of Heart Failure*
- *BMC Pulmonary Medicine*
- *Pharmacogenetics and Genomics*
- *Clinical Chemistry and Laboratory Medicine*
- *Genome Medicine*
- *Circulation Journal*
- *Scientific Reports*

- *European Journal of Clinical Pharmacology*
- *International Journal of Cardiology*
- *Nutrients*

### **Affiliation to Scientific Societies**

- Cristiano Fava is member of National and International Scientific Societies: European Society of Hypertension (ESH), International Society of Hypertension (ISH), American Heart Association (AHA), Società Italiana dell'Ipertensione Arteriosa (SIIA), Società italiana per lo Studio dell'Arteriosclerosi (SISA), Società italiana di Medicina Interna (SIMI).

### **Academic teaching:**

Tutor for medicine students and residents since 2005

Lecturer at Faculty of Nursing Science since 2009

Lecturer at Faculty of Medical Science for Laboratory technicians since 2011

Lecturer at Faculty of Obstetrics since 2015

Lecturer at Faculty of Medicine since 2016

### **Clinical work**

Since 2000 Cristiano Fava works in the Internal Medicine Division of the Medicine Department in the “Azienda ospedaliera Universitaria Integrata” (AOUI) of Verona (Italy). This division is specialized in the detection and cure of secondary and resistant forms of Hypertension.

Apart from the routine ward activity, Dr Fava usually works in 3 outpatients clinics related to Hypertension aggregated to the Internal Medicine Division:

- 1) Outpatients clinic for Hypertension.
- 2) Outpatients clinic for hypertension during pregnancy.
- 3) Outpatients clinic for children with obesity and hypertension

Since 2001 Cristiano Fava works at the “Ultrasound and vascular exams” clinic at the Internal Medicine C Division, whose is responsible since 2005.

- Other than routine diagnostic ultrasounds of carotids and lower limbs arteries he can perform ultrasound evaluation and tonometry of intermediate phenotypes in vascular diseases such as:
  - o Intima-media thickness
  - o Endothelial function by flow mediated vasodilatation technique

o Tonometry and photoplethysmography

Other activities:

o Ambulatory Blood Pressure monitoring

o Head up tilt test

Entitled “Hypertension specialist” from the European Society of Hypertension since 2015

## **Invited speaker at National and International meeting or seminars**

- University of Lund (Sweden) – Malmö seminars at Wallenberg Laboratory. Title: “Blood pressure heritability and linkage studies using 24-hours ambulatory blood pressure monitoring” (3<sup>rd</sup> of March 2005)
- Verona - Policlinico GB Rossi – Convegno ECM su Ipertensione e rischio cardiovascolare. Title: “Dall’ipertensione arteriosa al danno d’organo attraverso lo studio dei fenotipi intermedi” (May 2005)
- Verona – Hotel Leon d’Oro - Società Italiana di diagnostica vascolare GIUV - Sezione Triveneta. Title: “Essenzialmete iperteso...un caso clinico di stenosi dell’arteria renale” (27 Ottobre 2006)
- University of Lund (Sweden) – Malmö seminars at Wallenberg Laboratory. Title: “Heritability of blood pressure: monogenes and polygenes” (18<sup>th</sup> of October 2007)
- Verona - Ospedale Sacro Cuore di Negrar. Convegno “Dinamica arteriosa. Metodi di misura. valore prognostico. terapia” Title: “Metodi di misura della funzione endoteliale” (16 Novembre 2007)
- Verona - Ospedale Sacro Cuore di Negrar. Convegno “genetica e malattie complesse. Il caso delle patologie cardiovascolari e dei loro fattori di rischio”. Title: “Pharmacogenetics/pharmacogenomics of cardiovascular diseases” (20 Novembre 2008)
- Verona - Policlinico GB Rossi – Congresso della Società Italiana per lo studio dell’arteriosclerosi (SISA) Sezione Triveneto – Nuove Acquisizioni in Tema di Aterosclerosi. Title (in sostituzione del prof. Minuz): “Infiammazione ed aterotrombosi: ruolo della perossidazione lipidica” (25 Settembre 2009)
- Erice – International School of Pharmacology – 8<sup>th</sup> Course on Eicosanoids. Title: “Cardiovascular risk and genetic polymorphisms in eicosanoid biosynthesis and metabolism” (17<sup>th</sup> of June 2011)
- Verona - Policlinico GB Rossi – Convegno ECM “Disturbi Respiratori del Sonno e Apparato Cardiovascolare”. Title: “Ipertensione ed OSAS” (11 Novembre 2011)
- Verona - Policlinico GB Rossi – Title: “Genetica e farmacogenetica delle malattie cardiovascolari” (26 marzo 2012)
- Båstad (Sweden) 1<sup>st</sup> meeting on Genetics of complex diseases. Title: “Heritability of blood pressure: monogenes and polygenes – where are we standing now” (19<sup>th</sup> of October 2012)
- Verona – Policlinico GB Rossi – Seminari piastrine Verona 2013. Corso ECM. Title: “Farmacogenetica dell’aspirina: presente e futuro” (22 Novembre 2013)
- Verona - Policlinico GB Rossi - SIMI Triveneta – Convegno “Aggiornamenti in Medicina Interna “. Title: “Farmacogenetica in campo cardiovascolare” (7 giugno 2013)
- Hanhös (Sweden) - 2<sup>nd</sup> meeting on Genetics of complex diseases. Title: “Platelets and cancer: genetic approaches using two cohort studies in Swedes” (8<sup>th</sup> of November 2013)
- Erice – International School of Pharmacology – 9<sup>th</sup> Course on Eicosanoids. Title: “Eicosanoids and hypertension: genetics and epidemiology” (programmed for the 5<sup>th</sup> of September 2014)
- Roma - Società italiana di Medicina Interna 115° Congresso Nazionale “La tana del giovane internista.” Title: “Under pressure: quando l’ipertensione è un’emergenza” (27<sup>th</sup> of October 2014).

- Hovs Hallar (Sweden) – 3<sup>rd</sup> meeting on Genetics of complex diseases. “Interaction between omega-3 PUFA intake and blood pressure change over time” (21<sup>st</sup> of November 2014)
- Verona - Policlinico GB Rossi – Percorsi diagnostici e terapeutici nella trombosi venosa profonda. Corso ECM. Relazione: “Linee guida internazionali nella gestione del paziente con sospetta TVP” (8th of May 2015)
- Verona Palazzo Erbisti – EXPO 2015 - NUTRIRE IL FUTURO: UN’ALIMENTAZIONE CORRETTA OGGI, UN CUORE SANO DOMANI.
- Erice – International School of Pharmacology – COURSE “NUTRACEUTICALS”. “Omega-3 fatty acids and cytochrome 450-derived eicosanoids: crossroads of hemodynamic effects?” (27<sup>th</sup> of September 2015)
- Mölle (Sweden) – 4<sup>th</sup> meeting on Genetics of complex diseases. “GWAS on metabolic syndrome in the MDC and up-date about the smoke-coffee-CYP1A2 interaction.” (19<sup>th</sup> of November 2015)
- Brixen (Bressanone) Simposio della SIIA Triveneta (28th of October 2016). La misurazione della rigidità e dell’irrigidimento arterioso.
- Ystad (Sweden) – 5<sup>th</sup> meeting on Genetics of complex diseases. Relazione: “A 29-SNPs genetic risk score for hypertension is associated with thoracic aneurysm incidence in the MDC” (18<sup>th</sup> of November 2016)
- Desenzano (BS)- Meeting “IMPACT on Hypertension IMProvement and ACTION.” Cuore, rene, cervello, vasi, endotelio-priorità terapeutiche per il danno d’organo? (31 marzo -1 aprile 2017)
- Milano – 34<sup>th</sup> Meeting of the Società Italiana dell’Ipertensione arteriosa (SIIA). "Inquadramento clinico. Quali esami eseguire per escludere le forme secondarie" (5.10.2017)
- Mossbylund (Sweden) – 6<sup>th</sup> meeting on Genetics of complex diseases. “**Obesity and blood pressure in children: a role for polyunsaturated fatty acids?**” (17<sup>th</sup> of November 2017)
- Baltimore (USA) 17<sup>th</sup> Winter Eicosanoid Conference. “*Eicosanoids and Cardiovascular Risk Factors: Hints from Genetic and Nutrition Studies*” (13<sup>th</sup> of March 2018)

## FULL ARTICLES IN INDEXED JOURNALS

1. \*Arcaro G, \***Fava C**, Dagradi R, Faccini G, Gaino S, Degan M, Lechi C, Lechi A, Minuz P. \*These authors contribute equally to the work. Acute hyperhomocysteinemia induces a reduction in arterial distensibility and compliance. *J Hypertens.* 2004;22:775-781.
2. **Fava C**, Burri P, Almgren P, Groop L, Hulthén UL, Melander O. Heritability of ambulatory and office blood pressure phenotypes in Swedish Families. *J Hypertens.* 2004;22:1717-1721.
3. **Fava C**, Burri P, Almgren P, Arcaro G, Groop L, Hulthén UL, Melander O. Dipping and Variability of Blood Pressure and Heart Rate at Night are Heritable Traits. *Am J Hypertens.* 2005;18:1402-1407.
4. Montagnana M, Lippi G, Minuz P, Lechi C, **Fava C**, Arosio E, Guidi GC. Ischemia Modified Albumin and NT-prohormone-Brain Natriuretic Peptide in peripheral arterial disease. *Clin Chem Lab Med.* 2006;44:207-212.
5. **Fava C**, von Wowern F, Berglund G, Carlson J, Hedblad b, Rosberg L, Burri P, Almgren P, Melander O. 24-hour Ambulatory Blood Pressure is Linked to Chromosome 18q21-22 and Genetic Variation of NEDD4L associates with Cross-Sectional and Longitudinal Blood Pressure in Swedes. *Kidney Int.* 2006;70:562-569.
6. Minuz P, **Fava C**, Cominacini L. Oxidative stress, antioxidants, and vascular damage. *Br J Clin Pharmacol.* 2006;61:774-777.

7. **Fava C**, Minuz P, Patrignani P, Morganti A. Renal artery obstruction and accelerated atherosclerosis: which comes first? *J Hypertens*. 2006;24:1686-1696.
8. Montagnana M, Lippi G, Regis D, **Fava C**, Viola G, Bartolozzi P, Guidi GC. Evaluation of cardiac involvement following major orthopedic surgery. *Clin Chem Lab Med*. 2006;44:1340-1346.
9. Minuz P, **Fava C**, Lechi A. Lipid peroxidation, isoprostanes and vascular damage. *Pharmacol Rep*. 2006;58 Suppl:57-68.
10. **Fava C**, Montagnana M, Almgren P, Rosberg L, Guidi GC, Berglund G, Melander O. The functional variant of the CLC-Kb channel T481S is not associated with blood pressure and hypertension in Swedes. *J Hypertens*. 2007;25:111-116.
11. **Fava C**, Montagnana M, Rosberg L, Berglund G, Melander O. Association Between Adducin-1 G460W Variant And Blood Pressure In Swedes Is Dependent On Interaction With Body Mass Index And Sex. *Am J Hypertens*. 2007;20:981-989.
12. Volpe A, Caramaschi P, Thalheimer U, **Fava C**, Ravagnani V, Bambara LM, Biasi D. Familial association of Gitelman's syndrome and calcium pyrophosphate dehydrate crystal deposition disease a case report. *Rheumatology* 2007;46:1506-1508.
13. **Fava C**, Montagnana M, Rosberg L, Burri P, Almgren P, Jonsson A, Wanby P, Lippi G, Minuz P, Hulthen LU, Aurell M, Melander O. Subjects Heterozygous For Genetic Loss Of Function Of The Thiazide Sensitive Cotransporter Have Reduced Blood Pressure. *Hum Mol Genet*. 2008;17:413-418.
14. **Fava C**, Ricci MS, Burri P, Minuz P, Melander O. Heritability of the ambulatory arterial stiffness index in Swedish families. *J Hum Hypertens*. 2008;22:298-300.
15. Minuz P, \*Jiang H,\***Fava C**, Turolo L, Tacconelli S, Ricci M, Patrignani P, Morganti A, Lechi A, McGiff JC. \*These two authors equally contributed to the study. Altered release of Cytochrome p450 metabolites of arachidonic acid in renovascular disease. *Hypertension*. 2008;51:1-7.
16. Montagnana M, Lippi G, Targher G, **Fava C**, Guidi GC. Glucose challenge test does not predict Gestational Diabetes Mellitus. *Intern Med*. 2008;47:1171-1174.
17. **Fava C**, Montagnana M, Burri P, Almgren P, Minuz P, Hulthén U, Lennart, Melander O. Determinants of kidney function in Swedish families. Role of heritable factors. *J Hypertens*. 2008;26:1773-1779.
18. \*Montagnana M, \***Fava C**, Nilsson P, Engström G, Hedblad B, Lippi G, Minuz P, Berglund G, Melander O. \*These two authors equally contributed to the study. The Pro12Ala polymorphism of the PPARG gene is not associated with the metabolic syndrome in an urban based sample of middle aged Swedes. *Diab Med*. 2008;25:902-908.
19. **Fava C**, Montagnana M, Almgren P, Rosberg L, Lippi G, Hedblad B, Engström, G, Berglund G, Minuz P, Melander O. The functional variant V433M of the CYP4F2 is associated with incident ischemic stroke in middle-aged male Swedes beyond its effect on blood pressure. *Hypertension*. 2008;52:373-380.

20. **Fava C**, Montagnana M, Guerriero M, Almgren P, Von Wowern F, Minuz P, Melander O. Chromosome 2q12, the ADRA2B I/D polymorphism and metabolic syndrome. *J Hypertens.* 2009;27:1794-1803.
21. **Fava C**, Montagnana M, Almgren P, Hedblad B, Engström G, Berglund G, Minuz P, Melander O. The common functional polymorphism -50G>T of the CYP2J2 gene is not associated with ischemic coronary and cerebrovascular events in an urban-based sample of Swedes. *J Hypertens.* 2010;28:294-299.
22. **Fava C**, Montagnana M, Danese E, Almgren P, Hedblad B, Engström G, Berglund G, Minuz P, Melander O. Homozygosity for the EPHX2 K55R polymorphism increases the long term risk of ischemic stroke in men: a study in Swedes. *Pharmacogen Genomics.* 2010;20:94-103.
23. Padmanabhan S, Melander O, Johnson T, Di Blasio AM, Lee WK, Gentilini D, Hastie CE, Menni C, Monti MC, Delles C, Laing S, Corso B, Navis G, Kwakernaak AJ, van der Harst P, Bochud M, Maillard M, Burnier M, Hedner T, Kjeldsen S, Wahlstrand B, Sjögren M, **Fava C**, Montagnana M, Danese E, Torffvit O, Hedblad B, Snieder H, Connell JM, Brown M, Samani NJ, Farrall M, Cesana G, Mancia G, Signorini S, Grassi G, Eyheramendy S, Wichmann HE, Laan M, Strachan DP, Sever P, Shields DC, Stanton A, Vollenweider P, Teumer A, Völzke H, Rettig R, Newton-Cheh C, Arora P, Zhang F, Soranzo N, Spector TD, Lucas G, Kathiresan S, Siscovick DS, Luan J, Loos RJ, Wareham NJ, Penninx BW, Nolte IM, McBride M, Miller WH, Nicklin SA, Baker AH, Graham D, McDonald RA, Pell JP, Sattar N, Welsh P; Global BPgen Consortium, Munroe P, Caulfield MJ, Zanchetti A, Dominiczak AF. Genome-Wide Association Study of Blood Pressure Extremes Identifies Variant near UMOD Associated with Hypertension. *PLoS Genet.* 2010;6:e1001177.
24. Svensson-Färbom P, Wahlstrand B, Almgren P, Dahlberg J, **Fava C**, Kjeldsen S, Hedner T, Melander O. A functional variant of the NEDD4L gene is associated with beneficial treatment response with  $\beta$ -blockers and diuretics in hypertensive patients. *J Hypertens.* 2011;29:388-395.
25. **Fava C**, Danese E, Montagnana M, Sjögrena M, Almgren P, Engström G, Nilsson P, Hedblad B, Guidi GC, Minuz P, Melander O. STK39 is a candidate gene for primary hypertension especially in females: results from two cohort studies in Swedes. *J Hypertens.* 2011;29:484-491.
26. **Fava C**, Montagnana M, Danese E, Sjögrena M, Almgren P, Engström G, Nilsson P, Hedblad B, Guidi GC, Minuz P, Melander O. Vanin-1 T26I polymorphism, hypertension and cardiovascular events in two large urban-based prospective studies in Swedes. *Nutr Metab Cardiovasc Dis.* 2013;23:53-60.
27. **Fava C**, Montagnana M, Melander O. From circulating biomarkers to genomics and imaging in the prediction of cardiovascular events in the general population. *Ann Med.* 2012;44:433-447.
28. **Fava C**, Montagnana M, Favaloro EJ, Guidi GC, Lippi G. Obstructive sleep apnea syndrome and cardiovascular diseases. *Semin Thromb Hemost.* 2011;37:280-297.
29. The International Consortium for Blood Pressure Genome-Wide Association Studies, Ehret GB, Munroe PB, Rice KM, [...], **Fava C**, [...], Elliott P, van Duijn CM, Newton-Cheh C, Levy D, Caulfield MJ, Johnson T. Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. *Nature.* 2011;478:103-109.



30. **Fava C**, Danese E, Montagnana M, Sjögren M, Almgren P, Guidi GC, Hedblad B, Engström G, Lechi A, Minuz P, Melander O. A Variant Upstream of the CDH13 Adiponectin Receptor Gene and Metabolic Syndrome in Swedes. *Am J Cardiol.* 2011;108:1432-1437.
31. Minuz P, **Fava C**, Vattei GA, Arcaro G, Riccadonna M, Tonin P, Meneguzzi A, Degan M, Guglielmi V, Lechi A, Tomelleri G. Endothelial Dysfunction And Increased Oxidative Stress In Mitochondrial Diseases. *Clin Sci.* 2012;122:289-297.
32. Tang WH, Stitham J, Gleim S, Di Febbo C, Porreca E, **Fava C**, Tacconelli S, Capone M, Evangelista V, Levantesi G, Wen L, Martin K, Minuz P, Rade J, Patrignani P, Hwa J. Glucose and collagen regulate human platelet activity through aldose reductase induction of thromboxane. *J Clin Invest.* 2011;121:4462-4476.
33. **Fava C**, Ricci M, Melander O, Minuz P. Hypertension, cardiovascular risk and polymorphisms in genes controlling the cytochrome P450 pathway of arachidonic acid: A sex-specific relation? *Prostaglandins Other Lipid Mediat.* 2012;98:75-85.
34. **Fava C**, Montagnana M, Danese E, Sjögren M, Almgren P, Guidi GC, Hedblad B, Engström G, Minuz P, Melander O. The functional variant V433M of the CYP4F2 and the metabolic syndrome in Swedes. *Prostaglandins Other Lipid Mediat.* 2012;98:31-36.
35. **Fava C**, Montagnana M, Danese E, Sjögren M, Almgren P, Engström G, Hedblad B, Guidi GC, Minuz P, Melander O. The Renalase Asp37Glu polymorphism is not associated with hypertension and cardiovascular events in an urban-based prospective cohort: the Malmö Diet and cancer study. *BMC Med Genet.* 2012;19:13:57.
36. Danese E, Montagnana M, Johnson JA, Rettie A, Zambon CF, Lubitz SA, Suarez-Kurtz G, Cavallari LH, [...] Guidi GC, Minuz P, **Fava C**. Impact of the CYP4F2 p.V433M polymorphism on coumarin dose requirement. A systematic review and meta-analysis. *Clin Pharmacol Therap* 2012;92:746-56.
37. Jiang H, McGiff JC, **Fava C**, Amen G, Nesta E, Zanconato G, Quilley J, Minuz P. Maternal and fetal epoxyeicosatrienoic acids in normotensive and preeclamptic pregnancies. *Am J Hypertens.* 2013;26:271-278.
38. Gertow K, Sennblad B, Strawbridge RJ, Öhrvik J, Zabaneh D, Shah S, Veglia F, **Fava C** et al. Identification of the BCAR1-CFDP1-TMEM170A locus as a determinant of carotid intima-media thickness and coronary artery disease risk. *Circ Cardiovasc Genet.* 2012;5:656-665.
39. **Fava C**, Sjogren M, Montagnana M, Danese E, Almgren P, Engström G, Nilsson P, Hedblad B, Guidi GC, Minuz P, Melander O. Prediction Of Blood Pressure Changes Over Time And Incidence Of Hypertension By A Genetic Risk Score In Swedes. *Hypertension.* 2013;61:319-326.
40. Vattei G, Marini M, Ferreri NR, Hao S, Malatesta M, Meneguzzi A, Guglielmi V, **Fava C**, Minuz P, Tomelleri G. Overexpression of TNF- $\alpha$  in mitochondrial diseases caused by mutations in mtDNA: Evidence for signaling through its receptors on mitochondria. *Free Radic Biol Med.* 2013;63:108-114.
41. Danese E, Montagnana M, **Fava C**. Searching for genes involved in hypertension development in special populations: children and pre-eclamptic women. Where are we standing now? *Clin Chem Lab Med.* 2013;51:2253-2269.

42. **Fava C**, Dorigoni S, Dalle Vedove F, Danese E, Montagnana M, Guidi GC, Narkiewicz K, Minuz P. Effect Of CPAP on blood pressure in patients with obstructive sleep apnea/hypopnea. A systematic review and meta-analysis. *Chest*. 2014;145:762-771.
43. Banzato C, Maffeis C, Maines E, Cavarzere P, Gaudino R, **Fava C**, Minuz P, Boner A, Antoniazzi F. Hypovitaminosis D and nocturnal hypertension in obese children: an interesting link. *J Hum Hypertens*. 2014;28:360-366.
44. **Fava C**, Ohlsson T, Sjögren M, Tagetti A, Almgren P, Engström G, Nilsson P, Hedblad B, Minuz P, Melander O. Cardiovascular consequences of a polygenetic component of blood pressure in an urban-based longitudinal study: the Malmö Diet and Cancer. *J Hypertens*. 2014;32:1424-1428.
45. Minuz P, **Fava C**, Hao S, Pedraza P, Amen G, Meneguzzi A, Vattedi G, Marini M, Zanconato G, Ferreri NR. Differential regulation of TNF receptors in maternal leukocytes is associated with severe preterm preeclampsia. *J Matern Fetal Neonatal Med*. 2014;18:1-7.
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47. Danese E, Montagnana M, **Fava C**, Guidi GC. Circulating Nucleic Acids and Hemostasis: Biological Basis behind Their Relationship and Technical Issues in Assessment. *Semin Thromb Hemost*. 2014;40(7):766-73.
48. **Fava C**, Sjögren M, Olsson S, Lökvist H, Jood K, Engström G, Hedblad B, Norrving B, Jern C, Lindgren A, Melander O. A genetic risk score for hypertension associates with the risk of ischemic stroke in a Swedish case-control study. *Eur J Hum Genet*. 2015 Jul;23(7):969-74. doi: 10.1038/ejhg.2014.212. Epub 2014 Oct 8.
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