

EGEA –Publications –Articles

1. Kauffmann F, Dizier MH on behalf of the EGEA cooperative group. **EGEA (Epidemiological study on the genetics and environment of asthma, bronchial hyperresponsiveness and atopy). Design issues.** *Clin Exp Allergy* 1995; 25 (suppl 2) : 19-22 -PMID: 8590334
2. Kauffmann F, Dizier MH, Pin I, Paty E, Gormand F, Vervloet D, Bousquet J, Neukirch F, Annesi I, Orszyszyn MP, Lathrop M, Demenais F, Lockhart A, Feingold J. **Epidemiological study on the genetics and environment of asthma, bronchial hyperresponsiveness and atopy (EGEA) -Phenotype issues.** *Am J Respir Crit Care Med* 1997; 156 : S123-S129 - PMID: 9351592
3. Kauffmann F, Chomel JC, Kitzis A, Feingold J, on behalf of the EGEA cooperative group. **ΔF508 heterozygosity and asthma.** *Lancet* 1998 ; 352:985-986 - PMID: 9752840
4. Kauffmann F, Dizier MH, Annesi-Maesano I, Bousquet J, Charpin D, Demenais F, Ecochard D, Feingold J, Gormand F, Grimfeld A, Lathrop M, Matran R, Neukirch F, Paty E, Pin I, Pison C, Scheinmann P, Vervloet D, Lockhart A. **EGEA (Epidemiological study on the Genetics and Environment of Asthma, bronchial hyperresponsiveness and atopy) -Descriptive characteristics.** *Clin Exp Allergy* 1999 ; 29 (suppl 4):17-21 - PMID: 10641560
5. Sampogna F, Demenais F, Hochez J, Orszyszyn MP, Maccario J, Kauffmann F, Feingold J, Dizier MH. **Segregation analysis of IgE levels in 335 French families (EGEA) using different strategies to correct for the ascertainment through a correlated trait (asthma).** *Genet Epidemiol* 2000 ; 18 :128-142 - PMID: 10642426
6. Siroux V, Pin I, Orszyszyn MP, Le Moual N, Kauffmann F. **Relationships of active smoking to asthma and asthma severity in the EGEA study.** *Eur Respir J* 2000 ;15 :470-477 - PMID: 10759439
7. Orszyszyn MP, Annesi-Maesano I, Charpin D, Paty E, Maccario J, Kauffmann F. **Relationships of active and passive smoking to total IgE in adults of EGEA -(Epidemiological study on the Genetics and Environment of Asthma, bronchial hyperresponsiveness and atopy).** *Am J Respir Crit Care Med* 2000 ;161 :1241-1246 - PMID: 10764318
8. Kennedy SM, Le Moual N, Choudat D, Kauffmann F. **Development of an asthma specific job exposure matrix and its application in the EGEA study.** *Occup Environ Med* 2000 ; 57 : 635-641 PMID: 10935945
9. Dizier MH, Besse-Schmittler C, Guilloud-Bataille M, Annesi-Maesano I, Boussaha M, Bousquet J, Charpin D, Degioanni A, Gormand F, Grimfeld A, Hochez J, Hyne G, Lockhart A, Luillier-Lacombe G, Matran R, Meunier F, Neukirch F, Pacheco Y, Parent V, Paty E, Pin I, Pison C, Scheinmann P, Thobie N, Vervloet D, Kauffmann F, Feingold J, Lathrop M and Demenais F. **Genome screen for asthma and related phenotypes in the French EGEA study.** *Am J Respir Crit Care Med* 2000 ; 162 : 1812-1818 - PMID: 11069818
10. De Cid R, Chomel JC, Lazaro C, Sunyer J, Baudis M, Casals T, Le Moual N, Kitzis A, Feingold J, Anto J, Estivill X, Kauffmann F. **CFTR and asthma in the French EGEA study.** *Eur J Hum Gen* 2001 ; 9 : 67-69 -PMID: 11175304
11. Ravault C, Kauffmann F. **Validity of the IUATLD (1986) questionnaire in the EGEA study.** *Int J Tuberc Lung Dis* 2001 ; 5 : 191-196 - PMID: 11258514
12. Kauffmann F, Dizier MH, Annesi-Maesano I, Bousquet J, Charpin D, Demenais F, Ecochard D, Feingold J, Gormand F, Grimfeld A, Lathrop M, Matran R, Neukirch F, Paty E, Pin I, Pison C, Scheinmann P, Vervloet D, Lockhart A. **Etude épidémiologique des facteurs Génétiques et Environnementaux de l'Asthme, l'hyperréactivité bronchique et l'atopie (EGEA) -Protocole et biais de sélection potentiels.** *Rev Epidemiol Santé Pub* 2001; 49 : 343-356 - PMID: 11567201
13. Dizier MH, Besse-Schmittler C, Guilloud-Bataille M, Kauffmann F, Clerget-Darpoux F, Demenais F. **Indication of linkage and genetic heterogeneity of asthma according to age at onset on chromosome 7q in 107 French EGEA families.** *Europ J Hum Gen* 2001 ; 9: 867-872- PMID: 1178170

14. Kauffmann F, Dizier MH, Orszczyn MP, Le Moual N, Siroux V, Kennedy S, Annesi-Maesano I, Bousquet J, Charpin D, Feingold J, Gormand F, Grimfeld A, Hochez J, Lathrop M, Matran R, Neukirch F, Paty E, Pin I, Demenais F. **Etude Epidémiologique sur les facteurs Génétiques et Environnementaux de l'Asthme, l'hyperréactivité bronchique et l'atopie (EGEA) -Premiers résultats d'une étude multidisciplinaire.** *Rev Mal Respir* 2002; 19:63-72 -PMID: 1754681
15. Pin I, Siroux V, Cans C, Kauffmann F, Maccario J, Pison C, Dizier MH. **Familial resemblance of asthma severity in the EGEA study.** *Am J Respir Crit Care Med* 2002 ; 165 : 185-189 - PMID: 11790652
16. Kauffmann F, Orszczyn MP, Maccario J. **The protective role of country living on skin prick tests, immunoglobulin E and asthma in adults from the Epidemiological study on the Genetics and Environment of Asthma, bronchial hyper-responsiveness and atopy.** *Clin Experim Allergy* 2002 ;32:379-86 - PMID: 11940067
17. Kauffmann F, Annesi-Maesano I, Liard R, Paty E, Faraldo B, Neukirch F, Dizier MH. Construction et validation d'un questionnaire en épidémiologie respiratoire. **L'exemple du questionnaire de l'Etude épidémiologique des facteurs Génétiques et Environnementaux de l'Asthme, l'hyperréactivité bronchique et l'atopie (EGEA).** *Rev Mal Respir* 2002 ;19:323-333 - PMID: 17546815 *Données supplémentaires sur <http://www.splf.org/bbo/revues-articles/RMR/depotElectronique/> 2001-110_Kauffmann/Kauffmann2002.htm*
18. Romanet-Manent S, Charpin D, Magnan A, Lanteaume A, Vervloet D and the EGEA cooperative group. **Allergic versus non allergic asthma : what makes the difference ?** *Allergy* 2002 ;57:607-613 - PMID: 12100301
19. Charpin D, Ramadour M, Lanteaume A, Vervloet D. **Triggering factors in intrinsic asthma in the Epidemiological study on the Genetics and Environment of asthma, bronchial hyperresponsiveness and atopy (EGEA study).** *J Asthma* 2003; 40 : 87-91 - PMID: 12699216
20. Maccario J, Orszczyn MP, Charpin D, Kauffmann F. **Methodological aspects in the quantification of skin prick test response. The EGEA study.** *J Allergy Clin Immunol* 2003; 111: 750-756 - PMID: 12704353
21. Siroux V, Orszczyn MP, Paty E, Kauffmann F, Pison C, Vervloet D, Pin I. **Relationships of allergic sensitisation, total IgE and blood eosinophils to asthma severity in children of the EGEA Study.** *Clin Experim Allergy* 2003;33 : 746-751 - PMID: 12801307
22. Dizier MH, Quesneville H, Besse-Schmittler C, Guilloud-Bataille M, Selinger-Lenenman H, Clerget-Darpoux F, Demenais F. **Indication of linkage and genetic heterogeneity for asthma and atopy on chromosomes 8p and 12q in 107 french EGEA families.** *Eur J Hum Gen* 2003;11: 590-596 - PMID: 12891379
23. Orszczyn MP, Annesi-Maesano I, Charpin D, Kauffmann F. **Allergy markers in adults in relation to the timing of pet exposure in the EGEA study.** *Allergy* 2003 ;58: 1136-1143 - PMID: 14616124
24. Varraso R, Orszczyn MP, Kauffmann F. **Sex differences in respiratory symptoms [letter].** *Eur Respir J* 2003;22 :716-717 - PMID: 14582928
25. Siroux V, Guilbert P, Le Moual N, Orszczyn MP, Kauffmann F. **Influence of asthma on the validity of reported lifelong environmental tobacco smoke in the EGEA study.** *Eur J Epidemiol* 2004 ; 19 : 841-49 -PMID: 15499894
26. Siroux V, Curt F, Orszczyn MP, Maccario J, Kauffmann F. **Role of gender and hormone-related events on IgE and eosinophils in the EGEA study.** *J Allergy Clin Immunol* 2004 ; 114 : 491-8 -PMID: 15356546
27. Bouzigon E, Chaudru V, Carpentier AS, Dizier MH, Orszczyn MP, Maccario J, Kauffmann F, Demenais F. **Familial correlations and inter-relationships of four asthma-associated quantitative phenotypes in 320 French EGEA families ascertained through asthmatic probands.** *Eur J Hum Gen* 2004; 12 : 955-63 -PMID: 1524148

28. Siroux V, Kauffmann F, Pison C, Pin I. **Caractère multidimensionnel de la sévérité de l'asthme dans l'enquête EGEA.** *Rev Mal Respir* 2004 ;21 :917-924 -PMID: 15622338
29. Bouzigon E, Dizier MH, Krähenbühl C, Torchard D, Annesi-Maesano I, Betard C, Bousquet J, Charpin D, Gormand F, Guilloud-Bataille M, Just J, Le Moual N, Maccario J, R Matran, Neukirch F, Oryszczyn MP, Paty E, Pin I, Rosenberg-Bourgin M, Vervloet D, Kauffmann F, Lathrop M, Demenais F. **Clustering patterns of LOD scores for asthma-related phenotypes revealed by a genome-wide screen in 295 French EGEA families.** *Hum Mol Gen* 2004 ; 13 :3103-3113 -PMID: 15509591
30. Varraso R, Siroux V, Maccario J, Pin I, Kauffmann F on behalf of the Epidemiological Study on the genetics and Environment of Asthma (EGEA). **Asthma severity is associated with body mass index and early menarche in women.** *Am J Respir Crit Care Med* 2005; 171:334-339 -PMID: 15557134
31. Dizier MH, Bouzigon E, Guilloud-Bataille M, Bétard C, Bousquet J, Charpin D, Gormand F, Hochez J, Just J, Lemainque A, Le Moual N, Matran R, Neukirch F, Oryszczyn MP, Paty E, Pin I, Vervloet D, Kauffmann F, Lathrop M, Demenais F, Annesi-Maesano I. **Genome Screen in the French EGEA Study : detection of linked regions shared or not shared by Allergic Rhinitis and Asthma.** *Genes Immun* 2005; 6 :95-102 -PMID: 15674395
32. Le Moual N, Siroux V, Pin I, Kauffmann F, Kennedy S on behalf of the Epidemiological Study on the genetics and Environment of Asthma (EGEA). **Asthma severity and exposure to occupational asthmagens.** *Am J Respir Crit Care Med* 2005 15;172:440-5.
 Related editorial : Malo JL. **Asthma may be more severe if it is work-related.** *Am J Respir Crit Care Med* 2005; 172:406-7.
33. Oryszczyn MP, Bouzigon E, Maccario J, Siroux V, Nadif R, Wright A, Kauffmann F. **Interrelationships of quantitative asthma-related phenotypes in the EGEA study.** *J Allergy Clin Immunol* 2007 ; 117 : 57-63 PMID: 17208586
34. Dizier MH, Bouzigon E, Guilloud-Bataille M, Genin E, Oryszczyn MP, Annesi-Maesano I, Demenais F. **Evidence for a locus in 1p31 region specifically linked to the co-morbidity of asthma and allergic rhinitis in the EGEA study.** *Hum Hered* 2007 ; 63:162-167 -PMID: 17310125
35. Siroux V, Oryszczyn MP, Varraso R, Le Moual N, Bousquet J, Charpin D, Gormand F, Kennedy S, Maccario J, Pison C, Rage E, Scheinmann P, Vervloet D, Pin I, Kauffmann F. **Facteurs environnementaux de l'asthme sévère et de l'allergie : résultats de l'étude EGEA.** *Rev Mal Respir* 2007 ; 24 : 599-608
36. Dizier MH, Bouzigon E, Guilloud-Bataille M, Siroux V, Lemainque A, Boland A, Lathrop M, Demenais F. **Evidence for gene x smoking exposure interactions in a genome-wide linkage screen of asthma and bronchial hyper-responsiveness in EGEA families.** *Eur J Hum Gen* 2007 ;63 :162-167-PMID: 1742672
37. Bouzigon E, Ulgen A, Dizier MH, Siroux V, Lathrop M, Kauffmann F, Pin I, Demenais F. **Evidence for a pleiotropic QTL on chromosome 5q13 influencing both time to asthma onset and asthma score in French EGEA families.** *Hum Genet* 2007; 121 : 711-719. PMID: 17473937
38. Bouzigon E, Siroux V, Dizier MH, Lemainque A, Pison C, Lathrop M, Kauffmann F, Demenais F, Pin I. **Scores of asthma and asthma severity reveal new regions of linkage in EGEA families.** *Eur Respir J* 2007 ; 30 : 253-259 -PMID: 17459892
39. Tournillon-Daurès S, Ravault C, Ferran J, Pin I, Kauffmann F et le groupe coopératif EGEA. **Enquête de satisfaction auprès de sujets participant à une recherche épidémiologique.** *Santé Publique* 2007 ; 19 : 461-470
40. Guilloud-Bataille M, Bouzigon E, Annesi-Maesano I, Bousquet J, Charpin D, Gormand F, Hochez J, Just J, Lemainque A, Le Moual N, Matran R, Neukirch F, Oryszczyn MP, Paty E, Pin I, Vervloet D, Kauffmann F, Lathrop M, Demenais F, Dizier MH. **Genome-wide evidence for linkage of a new region (11p14) to Atopic Dermatitis and Allergic Diseases.** *Hum Genet* 2008;122 : 605-14 - PMID: 17943316

41. Siroux V, Bouzigon E, Dizier MH, Pin I, Demenais F, Kauffmann F on behalf of the EGEA cooperative group. **Replication of association between ADAM33 polymorphisms and psoriasis.** *Plos one* 2008; 3:e2448 - PMID: 18560587
42. Bouzigon E, Corda E, Aschard H, Dizier MH, Boland A, Bousquet J, Chateigner N, Gormand F, Just, Le Moual N, Scheinmann P, Siroux V, Vervloet D, Zelenika D, Pin I, Kauffmann F, Lathrop M, Demenais F. **Effect of 17q21 variants and smoking exposure in early-onset asthma.** *N Engl J Med* 2008 ; 359 : 1985-1994 - PMID: 18923164

Related editorial. Holloway JW, Koppelman GH. **17q21 variants and asthma -questions and answers.** *N Engl J Med.* 2008 ;359:1985-94

Comment. MoritaH, Nagai R. **Smoking exposure, 17q21 variants, and early-onset asthma.** *N Engl J Med* 2009 ;360:1255

Authors reply. Bouzigon E, Siroux V, Demenais F. **Smoking exposure, 17q21 variants, and early-onset asthma.** *N Engl J Med* 2009; 12 : 1255-1256
43. Rage E, Siroux V, Künzli N, Pin I, Kauffmann F on behalf of the Epidemiological Study on the Genetics and Environment of Asthma (EGEA). **Air pollution and asthma severity in adults.** *Occup Environ Med* 2009 ; 66 : 182-188 - PMID: 19017701
44. Rage E, Jacquemin, Nadif R, Oryszczyn MP, Siroux V, Aguilera I, Kauffmann F, Künzli N on behalf of the Epidemiological Study on the Genetics and Environment of Asthma (EGEA). **Total serum IgE levels are associated with ambient ozone concentration in asthmatic adults.** *Allergy* 2009 ;64(1):40-6. - PMID: 19076539
45. Rage E, Siroux V, Le Moual N, Pin I, Kauffmann F. **Are asymptomatic airway hyperresponsiveness and allergy risk factors for asthma? A longitudinal study [letter].** *Eur Respir J* 2009 ;33:218-9 - PMID: 19118234
46. Smit LAM, Siroux V, Bouzigon E, Oryszczyn MP, Lathrop M, Demenais F, Kauffmann F on behalf of the EGEA cooperative group. **CD14 and Toll-like receptor gene polymorphisms, country living, and asthma in adults.** *Am J Respir Crit Care Med* 2009 ; 179: 363-368 - PMID: 19096003
47. Nadif R, Siroux V, Oryszczyn MP, Ravault C, Pison C, Pin I, Kauffmann F on behalf of the Epidemiological Study on the Genetics and Environment of Asthma (EGEA). **Heterogeneity of asthma according to blood inflammatory patterns.** *Thorax* 2009 ;64:374-80-PMID: 19131450

Related editorial :Gibson PG. **Tackling asthma phenotypes in community studies.** *Thorax* 2009; 64:369-370 -PMID: 19401481
48. Oryszczyn MP, Van Ree R, Maccario J, Nadif R, Kauffmann F in behalf of the EGEA cooperative group. **Cat sensitization according to cat window of exposure in adult asthmatics.** *Clin Exp Allergy* 2009 Oct;39(10):1515-21. doi: 10.1111/j.1365-2222.2009.03288.x PMID: 19486030
49. Aschard H, Bouzigon E, Corda E, Ulgen A, Dizier MH, Gormand F, Lathrop M, Kauffmann F, Demenais F, on behalf of the EGEA cooperative group. **Sex-specific effect of IL9 polymorphisms on lung function and polysensitization.** *Genes Immun.* 2009 Sep;10(6):559-65. doi: 10.1038/gene.2009.46. PMID: 19536153
50. Siroux V, Boudier A, Bousquet J, Bresson JL, Cracowski JL, Ferran J, Gormand F, Just J, Le Moual N, Morange S, Nadif R, Oryszczyn MP, Pison C, Scheinmann P, Varraso R, Vervloet D, Pin I, Kauffmann F on behalf of the Epidemiological Study on the Genetics and Environment of Asthma (EGEA). **Phenotypic determinants of uncontrolled asthma.** *J Allergy Clin Immunol* 2009 Oct;124(4):681-7.e3. doi: 10.1016/j.jaci.2009.06.010. PMID: 19665764

Related editorial : Hunninghake GM, Gold DR. **Sexual dimorphism : is it relevant to steroid resistance or asthma control.** *J Allergy Clin Immunol* 2009; 184 : 688-690
51. Smit LAM, Bouzigon E, Pin I, Siroux V, Monier F, Aschard H, Bousquet J, Gormand F, Just J, Le Moual N, Nadif R, Scheinmann P, Vervloet D, Lathrop M, Demenais F, Kauffmann F, EGEA Cooperative group. **17q21 variants modify the association between early respiratory infections and asthma.** *Eur Respir J* 2010 Jul;36(1):57-64. doi: 10.1183/09031936.00154509. PMID: 20032010

52. † Bouzigon E, Forabosco P, Koppelman GH, Cookson WOCM, Dizier MH, Duffy DL, Evans DM, Ferreira MAR, Kere J, Laitinen T, Malaerba G, Meyers DA, Moffatt M, Martin NG, Ng MY, Pignatti PF, Wjst M, Kauffmann F, Demenais F, Lewis CM. **Meta analysis of 20 genome-wide linkage studies evidenced new regions linked to asthma and atopy.** *Eur J Hum Gen* 2010 Jun;18(6):700-6. doi: 10.1038/ejhg.2009.224. PMID: 20068594
53. Nadif R, Matran R, Maccario J, Bechet M, Le Moual N, Scheinmann P, Bousquet J, Kauffmann F, Pin I, on behalf of the Epidemiological Study on the Genetics and Environment of Asthma (EGEA). **Passive and active smoking and exhaled nitric oxide levels according to asthma and atopy in adults.** *Ann Allergy Asthma Immunol* 2010 ; 104:385-93. PMID: 20486328
54. † Moffatt MF, Gut IG, Demenais F, Strachan DP, Bouzigon E, Heath S, von Mutius E, Farrall M, Lathrop M, Cookson WOCM, for the GABRIEL consortium*. **A Large-Scale, consortium-based Genomewide Association study of asthma.** *N Engl J Med* 2010; 363 : 1211-21. PMID :20860503

*Members of the GABRIEL consortium

Moffatt MF, Gut IG, Demenais F, Strachan DP, Bouzigon E, Heath S, Kumar A, Burney P, Jarvis D, Wjst M, Kogevinas M, Jogi R, Janson C, Franklin K, Omenaas E, Leynaert B, Pin I, Heinrich J, Kuenzli N, Probst-Hensch NM, Anto JM, Sunyer J, Maldonado JA, Martinez-Moratalla J, Urritia I, Payo F, Kauffmann F, Dizier MH, Siroux V, Boznanski A, Braun-Fahländer C, Genuneit J, Glas J, Horak E, Kabesch M, Pillai SG, Helms PJ, Carlsen K, Carlsen KH, Gerritsen J, Silverman M, Sly S, Tsanakas J, Von Berg A, Whyte M, Blumenthal M, Imboden M, Rochat T, Thun GA, Gerbase MW, Curjuric I, Gaspoz JM, Liu LJ, Wouters IM, Sigsgaard T, Heederik D, Basinas I, Schlunssen V, Omland Ø, Cullinan P, Vermeulen R, Henderson J, Granell R, McArdle WL, Davey Smith G, James AL, Hui J, Palmer LJ, Beilby J, Musk AW, Laprise C, Hudson TJ, Lemire M, Daley D, Becker A, Chan-Yeung M, Sandford A, Kozyrskyj AL, Paré P, Ferguson A, Dimich-Ward H, Watson WT, Freidin MB, Bragina EL, Deev IA, Deeva EV, Kobayakova OS, Puzyrev VP, Ogorodova LM, Khusnutdinova EK, Karunas S, Fedorova YY, Hall IP, Sayers I, Tobin MD, Wan YI, Heaney LG, Al-Momani BAH, Mansur AH, Manney S, Thomson NC, Chaudhuri R, Brightling CE, Bafadhel M, Singapuri A, Niven R, Simpson A, Holloway JW, Howarth PH, Polonikov AV, Ivanov VP, Solodilova MA, Melén E, Pershagen G, Bergström A, Kull I, Nyberg F, Wickman M, Söderhäll C, Kere J, Postma DS, Kerkhof M, Brunekreef B, Smit HA, de Jongste JC, Wijga A, Aalberse RC, Hoekstra MO, Koppelman GH, Binia A, Chung KF, Bhavsar P, Chow F, Macedo P, Menzies-Gow A, Stiphout N, Bush A, Lee YA, Esparza-Gordillo J, Nickel R, Wahn U, Lau S, Marenholz I, Haahtela T, von Hertzen L, Jousilahti P, Laatikainen T, Mäkelä MJ, Vartiainen E, Laitinen T, Balding DJ, Peden JF, Corda E, Lechner D, Besse C, Zelenika C, Boland A, Bacq D, Demonchy S, Blanche H, Kamatani Y, von Mutius E, Farrall M, Lathrop M, Cookson WOCM.

55. Dumas O, Smit LAM, Kromhout H, Siroux V, Nadif R, Vermeulen R, Heederik D, Hery M, Choudat D, Kauffmann F, Le Moual N, on behalf of the Epidemiological Study on the Genetics and Environment of Asthma. **Do young adults with childhood asthma avoid occupational exposures at first hire ?** *Eur Respir J* 2011 ; 37 : 1043-49. 2010 Sept 30 [ahead of print]. PMID:20884739
56. † Kauffmann F, Varraso R. **The epidemiology of cough.** *Pulm Pharmacol Ther* 2011 Jun;24(3):289-94. doi: 10.1016/j.pupt.2010.10.012. --PMID:21044889
57. † Siroux V, Basagaña X, Boudier A, Pin I, Garcia-Aymerich J, Vesin A, Slama R, Jarvis D, AntóJM, Kauffmann F, Sunyer J. **Identifying clinical phenotypes of asthma using clustering approach.** *Eur Respir J* 2011 Aug;38(2):310-7. doi: 10.1183/09031936.00120810. PMID: 21233270
58. Zerimech F, Huyvaert H, Matran R, Nadif R. **Usefulness of a new dialysis device adapted to small volume of red blood cells and its interest in epidemiology.** *Clin Biochem* 2011 Jun;44(8-9):739-41. doi: 10.1016/j.clinbiochem.2011.03.023. PMID:21406190
59. Donnay C, Denis MA, Magis R, Fevotte J, Massin N, Dumas O, Pin I, ChoudatD, Kauffmann F, Le Moual N. **Under-estimation of self-reported occupational exposure by questionnaire in hospital workers.** *Occ Environ Med* 2011 Aug;68(8):611-7.. PMID: 21515550
60. Smit LAM, Bouzigon E, Bousquet J, Le Moual N, Nadif R, Pin I, Lathrop M, Demenais F, Kauffmann F, Siroux V, on behalf of the Epidemiological Study on the Genetics and Environment of Asthma. **Mold**

allergen sensitization in adult asthma according to integrin B3 polymorphisms and Toll-Like receptor 2/+596 genotype. *J Allergy Clin Immunol* 2011 Jul;128(1):185-191.e7. PMID:21570717

61. Vignoud L, Pin I, Boudier A, Pison C, Nadif R, Le Moual N, Slama R, NguileMakao M, Kauffmann F, Siroux V. **Smoking and asthma: disentangling their mutual influences using a longitudinal approach.** *Respir Med* 2011 Dec;105(12):1805-14. PMID: 21873041
62. Siroux V, Garcia-Aymerich J. **The investigation of asthma phenotypes.** *Current Opinion in Allergy and Clinical Immunology* 2011,11:393-9.
63. Jacquemin B, Kauffmann F, Pin I, Le Moual N, Bousquet J, Gormand F, Just J, Nadif R, Pison C, Scheinmann P, Vervloet D, Künzli N, Siroux V. **Air pollution and asthma control in the Epidemiological study on Genetics and Environment of Asthma.** *J Epidemiol Community Health* 2012 Sep;66(9):796-802. PMID:21690606
64. Siroux V, Boudier A, Bousquet J, Vignoud L, Gormand F, Just J, Le Moual N, Leynaert B, Nadif R, Pison C, Scheinmann P, Vervloet D, Antó JM, Kauffmann F, Pin I. **Asthma control assessed in the EGEA epidemiological survey and health-related quality of life.** *Respir Med* 2012 Jun;106(6):820-8. PMID: 22365669
65. † Imboden M, Bouzigon E, Curjuric I, Ramasamy A, Kumar A, Hancock DB, Wilk JB, Vonk J, Thun GA, Siroux V, Nadif R, Monier F, Gonzalez JR, Wjst M, Heinrich J, Loehr L, Franceschini N, North KE, Koppelman GH, Guerra S, Kronenberg F, Lathrop, Moffatt MF, O'Connor GT, Strachan DP, Postma D, London SJ, Schindler C, Kogevinas M, Kauffmann F, Jarvis DL, Demenais F, Probst-Hensch. **Genome wide association study of lung function decline in adults with and without asthma.** *J Allergy Clin Immunol* 2012 ; 129 :1218-28 PMID 22424883
66. † Smit L, Kogevinas M, Anto JM, Bouzigon E, González JR, Le Moual N, Kromhout H, Carsin AE, Pin I, Jarvis D, Vermeulen R, Janson C, Heinrich J, Gut I, Lathrop M, Valverde MA, Demenais D, Kauffmann F. **Transient receptor potential (TRP) genes, smoking, occupational exposures and cough in adults.** *Respiratory Research* 2012 ; 13:26 PMID: 22443337
67. Le Moual N, Varraso R, Siroux V, Dumas O, Nadif R, Pin I, Zock JP, Kauffmann F. **Domestic use of cleaning sprays and asthma activity in females.** *Eur Respir J* 2012 Dec;40(6):1381-9. PMID: 22496323
68. Bouzigon E, Monier F, Boussaha M, Le Moual N, Huyvaert H, Matran R, Letort S, Bousquet J, Pin I, Lathrop M, Kauffmann F, Demenais F, Nadif R, on behalf of the EGEA Cooperative Group. **Associations between nitric oxide synthase genes and exhaled NO-related phenotypes according to Asthma Status.** *PLoS One.* 2012;7:e36672. PMID:22590587
69. † Dizier MH, Margaritte-Jeannin P, Madore AM, Esparza-Gordillo J, Moffatt M, Corda E, Monier F, Guilloud-Bataille M, Franke A, Weidinger S, Annesi-Maesano I, Just J, Pin I, Kauffmann F, Cookson W, Lee YA, Laprise C, Lathrop M, Bouzigon E, Demenais F. **The ANO3/MUC15 locus is associated with eczema in families ascertained through asthma.** *J Allergy Clin Immunol* 2012 ;129:1547-1553.e3. PMID:22657408
70. Rava M, Varraso R, Huyvaert H, Decoster B, Le Moual N, Jacquemin B, Künzli N, Kauffmann F, Zerimech F, Matran R, Nadif R. **Plasma and exhaled breath condensate nitrite-nitrate level in relation to environmental exposures in adults in the EGEA study.** *Nitric Oxide* 2012 ;27:169-175. PMID:22750238
71. Dumas O, Donnay C, Heederik D, Hery M, Choudat D, Kauffmann F, Le Moual N. **Occupational exposure to cleaning products and asthma in female hospital workers.** *Occup Environ Med* 2012 Dec;69(12):883-9. PMID:23033509
72. † Varraso R, Garcia-Aymerich J, F Monier, Le Moual N, De Battle J, Miranda G, Pison C, Romieu I, Kauffmann F, Maccario J. **Assessment of dietary patterns in nutritional epidemiology: principal component analysis vs. confirmatory factor analysis.** *Am J Clin Nutr* 2012 ;96:1079-92. doi: 10.3945/ajcn.112.038109. PMID:23034967

73. Babron MC, Guillaud-Bataille M, Sahbatou M, Demenais F, Génin E, Dizier MH. **Comparative power of family-based association strategies to detect disease-causing variants under two-locus models.** *Genet Epidemiol* 2012 Dec;36(8):848-55 PMID: 22887021
74. Kauffmann F, Demenais F. **Gene environment interactions in asthma and allergic diseases: challenges and perspectives.** *J Allergy Clin Immunol* 2012 ;130 :1229-1240. PMID: 23195523
75. † Melén E , Granell R, Kogevinas M, Strachan D, Gonzalez JR, Wjst M, Jarvis D, Ege M, Braun-Fahrlander C, Genuneit J, Horak E, Bouzigon E, Demenais F, Kauffmann F, Siroux V, Michel S, von Berg A, Heinzmann A, Kabesch M, Probst-Hensch NM, Curjuric I, Imboden M, Rochat T, Henderson J, Sterne JAC, McArdle WL, Hui J, James AL, Musk AW, Palmer LJ, Becker A, Kozyrskyj AL, Chan-Yeung M, Park JE, Leung A, Daley D, Freidin MB, Deev IA, Ogorodova LM, Puzyrev VP, Celedón J, Soto-Quiros M, Avila L, Bergström A, Söderhäll C, Kull I, Scholtens S, Boezen HM, Koppelman GH, Wijga AH, Marenholz I, Esparza-Gordillo J, Lau S, Lee YA, Farrall M, Kumar A, Moffatt MF, Cookson WOCM, Weiss ST, Lasky-Su J. **Genome-wide association study of body mass index in 24,000 Caucasian individuals with and without asthma.** *Clin Exp Allergy.* 2013 ;43:463-74. doi: 10.1111/cea.12054. PMID : 23517042
76. Dumas O, Le Moual N, Siroux V, Heederik D, Garcia-Aymerich J, Varraso R, Kauffmann F, Basagaña X. **Work related asthma. A causal analysis controlling the healthy worker effect.** *Occup Environ Med.* 2013 ;70:603-10. doi: 10.1136/oemed-2013-101362. PMID:23759534
77. † Boudier A, Curjuric I, Basagaña X, Hazgui H, Anto JM, Bousquet J, Bridevaux PO, Dupuis-Lozeron E, Garcia-Aymerich J, Heinrich J, Janson C, Künzli N, Leynaert B, de Marco R, Rochat T, Schindler C, Varraso R, Pin I, Probst-Hensch N, Sunyer J, Kauffmann F, Siroux V. **10 Year-Follow up of Cluster-Based Asthma Phenotypes in Adults. A Pooled Analysis of Three Cohorts.** *Am J Respir Crit Care Med.* 2013 Sep 1;188(5):550-60. PMID: 23777340
78. Rava M, Ahmed I, Demenais F, Sanchez M, Tubert-Bitter P, Nadif R. **Selection of genes for gene-environment interaction studies: a candidate pathway-based strategy using asthma as an example.** *Environ Health.* 2013 3;12:56. doi: 10.1186/1476-069X-12-56. PMID: 23822639
79. † Jacquemin B, Lepeule J, Boudier A, Arnould C, Benmerad M, Chappaz C, Ferran J, Kauffmann F, Morelli X, Pin I, Pison C, Rios I, Temam S, Künzli N, Slama R, Siroux V. **Impact of Geocoding Methods on Associations between Long-term Exposure to Urban Air Pollution and Lung Function.** *Environ Health Perspect.* 2013 ; 121 :1054-60. doi: 10.1289/ehp.1206016. PMID:23823697
80. † Li L, Kabesch M, Bouzigon E, Demenais F, Farrall M, Moffatt MF, Lin X, Liang L. **Using eQTL weights to improve power for genome-wide association studies: a genetic study of childhood asthma.** *Front Genet.* 2013; 4:103. doi: 10.3389/fgene.2013.00103. eCollection 2013. PMID: 23755072
81. † Scholtens S, Postma DS, Moffatt MF, Panasevich S, Granell R, Henderson AJ, Melén E, Nyberg F, Pershagen G, Jarvis D, Ramasamy A, Wjst M, Svanes C, Bouzigon E, Demenais F, Kauffmann F, Siroux V, von Mutius E, Ege MJ, Braun-Fahrlander C, Genuneit J and the GABRIELA study group, Brunekreef B, Smit HA, Wijga AH, Kerkhof M, Curjuric I, Imboden M, Thun GA, Probst-Hensch N, Freidin MB, Iu. Bragina E, Deev IA, Puzyrev VP, Daley D, Park J, Becker A, Chan-Yeung M, Kozyrskyj AL, Pare P, Marenholz I, Lau S, Keil T, Lee Y, Kabesch M, Wijmenga C, Franke L, Nolte IM, Vonk J, Kumar A, Farrall M, Cookson WOCM, Strachan DP, Koppelman GH, Boezen HM. **Novel childhood asthma genes interact with in utero and early life tobacco smoke exposure.** *J Allergy Clin Immunol.* 2014; 133 : 885-8. doi: 10.1016/j.jaci.2013.08.049. PMID:24315450
82. † Van der Valk RJP, Duijts L, Timpson NJ, Salam MT, Standl M, Curtin JA, Genuneit J, Kerhof M, Kreiner-Møller E, Cáceres A, Gref A, Liang LL, H Rob Taal, Bouzigon E, Demenais F, Nadif R, Ober C, Thompson EE, Estrada K, Hofman A, Uitterlinden AG, van Duijn C, Rivadeneira F, Li X, Eckel SP, Berhane K, Gauderman WJ, Granell R, Evans DM, St Pourcain B, McArdle W, Kemp JP, Davey Smith G, Carla MT Tiesler CMT, Flexeder C, Simpson A, Murray CS, Fuchs O, Postma DS, Bønnelykke K, Torrent M, Andersson M, Sleiman P, Hakonarson H, Cookson WO, Moffatt MF, Paternoster L, Melén E, Sunyer J, Bisgaard H, Koppelman GH, Ege M, Custovic A, Heinrich J, Gilliland FD, Henderson AJ, Jaddoe VWV, de Jongste JC for the EARly Genetics & Lifecourse Epidemiology (EAGLE) Consortium. **Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 variants.** *J Allergy Clin Immunol.* 2014 ;134:46-55. doi: 10.1016/j.jaci.2013.08.053. PMID:24315451

83. Dumas O, Siroux V, Luu F, Nadif R, Zock JP, Kauffmann F, Le Moual N. **Cleaning and asthma characteristics in women.** *Am J Ind Med.* 2014;*57*:303-11. doi: 10.1002/ajim.22244. PMID: 23955502
84. † Siroux V, González JR, Bouzigon E, Curjuric I, Boudier A, Imboden M, Anto JM, Gut I, Jarvis D, Lathrop M, Omenaas ER, Pin I, Wjst M, Demenais F, Probst-Hensch N, Kogevinas M, Kauffmann F. **Genetic heterogeneity of asthma phenotypes identified by a clustering approach.** *Eur Respir J.* 2014;*43*:439-52. doi: 10.1183/09031936.00032713. PMID :24311777
85. Dizier MH, Margaritte-Jeannin P, Madore AM, Moffatt M, Brossard M, Lavielle N, Sarnowski C, Just J, Cookson W, Lathrop M, Laprise C, Bouzigon E, Demenais F. **The nuclear factor I_A (NFIA) gene is associated with the asthma plus rhinitis phenotype.** *J Allergy Clin Immunol.* 2014;*134*:576-582.e1. doi: 10.1016/j.jaci.2013.12.1074. PMID:24560411
86. † Gonzales JR, Caceres A, Esko T, Cusco I, Puig M, Esnaola M, Reina J, Siroux V, Bouzigon E, Nadif R, Reinmaa E, Milani L, Bustamante M, Jarvis D, Anto JM, Sunyer J, Demenais F, Kogevinas M, Metspalu A, Caceres M, Perez-Jurado LA. **A common 16p11.2 inversion underlies the joint susceptibility to asthma and obesity.** *Am J Hum Genet.* 2014;*94*:361-72. doi: 10.1016/j.ajhg.2014.01.015. PMID:24560518
87. Nadif R, Rava M, Decoster B, Huyvaert H, Le Moual N, Bousquet J, Siroux V, Varraso R, Pin I, Zerimech F, Matran R. **Exhaled No, nitrite/nitrate levels, allergy, rhinitis and asthma in the EGEA study.** *Eur Respir J.* 2014;*44*:351-60. doi: 10.1183/09031936.00202413. PMID:24791832.
88. † Jeebhay MF, Ngajilo D, Le Moual N. **Risk factors for nonwork-related adult-onset asthma and occupational asthma: a comparative review.** *Curr Opin Allergy Clin Immunol.* 2014;*14*:84-94. doi: 10.1097. PMID: 24535141
89. Le Moual N, Le Moual N, Rava M, Siroux V, Matran R, Nadif R, on behalf of the Epidemiological Study on the Genetics and Environment of Asthma. **Use of household cleaning products, exhaled nitric oxide and lung function in women.** *Eur Respir J.* 2014;*44*:816-8. doi: 10.1183/09031936.00213813. PMID:25176956
90. † Smit LAM, Strachan D.P, Vermeulen R, de Bakker P.I.W, Demenais F, Dumas O, Carsin A-E, Cullinan P, Curjuric I, Ghosh RE, Heederik D, Imboden M, Jarvis D, Lathrop M, Le Moual N, Mehta A, Miedinger D, Sigsgaard T, Siroux V, Vernez D, Zock JP, Kauffmann F, Probst-Hensch N, Kogevinas M, Bouzigon E. **HLA-II variants and adult-onset asthma: does occupational allergen exposure play a role?** *Eur Respir J.* 2014;*44*:1234-42. doi: 10.1183/09031936.00068014. PMID:25034568
91. Dumas O, Siroux V, Le Moual N, Varraso R. **Approches d'analyse causale en épidémiologie / Causal analysis approaches in epidemiology.** *Rev Epidemiol Santé Pub* 2014, *62*:53-63. PMID: 24388738
92. Chanoine S, Dumas O, Benmerad M, Pison C, Varraso R, Gormand F, Just J, Le Moual N, Bedouch P, Bousquet J, Kauffmann F, Pin I, Siroux V. **Long-term benefits of inhaled corticosteroids in asthma: the propensity score method.** *Pharmacoepidemiol Drug Saf.* 2015;*24*:246-55. doi: 10.1002/pds.3639. PMID:24966014
93. † Adam M, Schikowski T, Carsin A.E, Cai Y, Jacquemin B, Sanchez M, Vierkötter A, Marcon A, Keidel D, Sugiri D, Kanani Z.A, Nadif R, Siroux S, Hardy R, Kuh D, Rochat T, Bridevaux P.O, Eeftens M, Tsai M.Y, Villani S, Chandra Phuleria H, Birk M, Cyrys J, Cirach M, de Nazelle A, Nieuwenhuijsen M, Forsberg B, de Hoogh K, Declercq C, Bono R, Piccioni P, Quass U, Heinrich J, Jarvis D, Pin I, Beelen R, Hoek G, Brunekreef B, Schindler C, Sunyer J, Krämer U, Kauffmann F, Hansell A.L, Künzli N, Probst-Hensch N. **Long-term exposure to air pollution and lung function in adults: multicentre cohort study and meta-analysis, the ESCAPE project.** *Eur Respir J.* 2015;*45*:38-50. doi: 10.1183/09031936.00130014. PMID:25193994
94. † Sanchez M, Varraso R, Bousquet J, Clavel-Chapelon F, Pison C, Kauffmann F, Humbert M, Siroux V. **Perceived long-term change in respiratory health: validity and predictive ability.** *Respir Med.* 2015;*109*:188-99. doi: 10.1016/j.rmed.2014.11.010. PMID:25534930.
95. † Bouzigon E, Nadif R, Thompson EE, Concas MP, Kuldanek S, Du G, Brossard M, Lavielle N, Sarnowski C, Vaysse A, Dessen P, van der Valk RJP, Duijts L, Henderson AJ, Jaddoe VWV, de Jongste JC, GABRIEL consortium, EARly Genetics & Lifecourse Epidemiology (EAGLE) Consortium, Casula

- S, Biino G, Dizier MH, Pin I, Matran R, Lathrop M, Pirastu M, Florence Demenais F, Ober C. **A Common variant in RAB27A gene is associated with fractional exhaled nitric oxide levels in adults.** *Clin Exp Allergy.* 2015 Apr;45(4):797-806. doi: 10.1111/cea.12461.PMID:25431337
96. † Jacquemin B, Siroux V, Sanchez M, Carsin AE, Schikowski T, Adam M, Bellisario V, Buschka A, Bono R, Brunekreef B, Cai Y, Cirach M, Clavel-Chapelon F, Declercq C, de Marco R, de Nazelle A, Ducret-Stich RE, Ferretti VV, Gerbase MW, Hardy R, Heinrich J, Janson C, Jarvis D, Al Kanaani Z, Keidel D, Kuh D, Le Moual N, Nieuwenhuijsen MJ, Marcon A, Modig L, Pin I, Rochat T, Schindler C, Sugiri D, Stempfelet M, Temam S, Tsai MY, Varraso R, Vienneau D, Vierkötter A, Hansell AL, Krämer U, Probst-Hensch NM, Sunyer J, Künzli N, Kauffmann F. **Ambient air pollution and adult asthma incidence in six European cohorts (ESCAPE).** *Environ Health Perspect.* 2015 Jun;123(6):613-21. PMID:25712593
 97. Bouzigon E, Nadif R, Le Moual N, Dizier MH, Aschard H, Boudier A, Bousquet J, Chanoine S, Donnay C, Dumas O, Gormand F, Jacquemin B, Just J, Margaritte-Jeannin P, Matran R, Pison C, Rage E, Rava M, Sarnowski C, Smit L.A.M, Temam S, Varraso R, Vignoud L, Lathrop M, Pin I, Demenais F, Kauffmann F, Siroux V. **Facteurs génétiques et environnementaux de l'asthme et de l'allergie; Etude EGEA : Synthèse des résultats.** *Rev Mal Respir.* 2015 Oct;32(8):822-40 PMID:25794998
 98. Dumas O, Matran R, Zerimech F, Decoster B, Huyvaert H, Ahmed I, Le Moual N, Nadif R. **Occupational exposures and Fluorescent Oxidation Products in 723 adults of the EGEA study.** *Eur Respir J.* 2015 Jul;46(1):258-61. PMID : 25837036
 99. Rava M, Rava M, Le Moual N, Dumont X, Guerra S, Siroux V, Jacquemin B, Kauffmann F, Bernard A, Nadif R. **Serum CC-16 level is associated with asymptomatic bronchial responsiveness in adults from the EGEA study.** *Respirology.* 2015 Nov;20(8):1198-205. PMID : 26439880
 100. Burte E, Bousquet J, Varraso R, Gormand F, Just J, Matran R, Pin I, Siroux V, Jacquemin B, Nadif R. **Characterization of rhinitis according to the asthma status in adults using an unsupervised approach in the EGEA study.** *PLoS One.* 2015 Aug 26;10(8):e0136191. PMID: 26309034
 101. † Marenholz I, Esparza-Gordillo J, Rüschemdorf F, Bauerfeind A, Strachan DP, Spucher BP, Baurecht H, Margaritte-Jeannin P, Sääh A, Kerkhof M, Ege M, Baltic S, Matheson MC, Li J, Michel S, Ang WQ, McArdle W, Arnold A, Homuth G, Demenais F, Bouzigon E, Söderhäll C, Pershagen G, de Jongste JC, Postma DS, Braun-Fahrländer C, Horak E, Ogorodova LM, Puzyrev VP, Bragina EY, Hudson TJ, Morin C, Duffy DL, Marks GB, Robertson CF, Montgomery GW, Musk B, Thompson PJ, Martin NG, James A, Sleiman P, Toskala E, Rodriguez E, Fölster-Holst R, Franke A, Lieb W, Gieger C, Heinzmann A, Rietschel E, Keil T, Cichon S, Nöthen MM, Pennell C, Sly PD, Schmidt CO, Matanovic A, Schneider V, Heinig M, Hübner N, Holt PG, Lau S, Kabesch M, Weidinger S, Hakonarson H, Ferreira MAR, Laprise C, Freidin MB, Genuneit J, Koppelman GH, Melén E, Dizier MH, Henderson AJ, Lee YA. **Meta-analysis identifies seven susceptibility loci involved in the atopic march.** *Nat Commun.* 2015 Nov 6;6:8804. doi: 10.1038/ncomms9804. PMID : 26542096
 102. Dizier MH, Nadif R, Jeanin M, Barton SJ, Sarnowski C, Gagné-Ouellet V, Brossard M, Lavielle N, Just J, Lathrop M, Holloway JW, Laprise C, Bouzigon E, Demenais F. **Interactive effect between DNAH9 gene and early-life tobacco smoke exposure on bronchial hyper-responsiveness in asthma-ascertained families.** *Eur Respir J.* 2016 Apr;47(4):1072-81. PMID:26797031
 103. † Minelli C, Dean CH, Hind M, Couto Alves A, Amaral AFS, Siroux V, Huikari V, Soler Artigas M, Evans DM, Loth DW, Bossé Y, Postma DS, Sin D, Thompson J, Demenais F, Henderson J, SpiroMeta consortium, CHARGE consortium, Bouzigon E, Jarvis D, Jarvelin MR, Burney P. **Association of Forced Vital Capacity with the Developmental Gene NCOR2.** *PLoS One.* 2016 Feb 2;11(2):e0147388. doi: 10.1371/journal.pone.0147388. eCollection 2016. PMID: 26836265
 104. † Burte E, Nadif R, Jacquemin B. **Susceptibility Factors Relevant for the Association Between Long-Term Air Pollution Exposure and Incident Asthma.** *Curr Environ Health Rep.* 2016 Mar;3(1):23-39. doi: 10.1007/s40572-016-0084-1. PMID: 26820569
 105. Siroux V, Boudier A, Dolgopolooff M, Chanoine S, Bousquet J, Gormand F, Just J, LeMoual N, Nadif R, Pison C, Varraso R, Matran R, Pin I. **FEF25-75 is associated with long term persistence of asthma and poor asthma outcomes.** *J Allergy Clin Immunol* 2016 Jun;137(6):1709-1716.e6. PMID: 26688518

106. † Sarnowski C, Laprise C, Malerba G, Moffatt MF, Dizier MH, Morin A, Vincent QB, Rohde K, Esparza-Gordillo J, Margaritte-Jeannin P, Liang L, Lee YA, Bousquet J, Siroux V, Pignatti PF, Cookson WO, Lathrop M, Pastinen T, Demenais F, Bouzigon E. **DNA methylation within MTNR1A mediates paternally transmitted genetic variant effect on asthma-plus-rhinitis.** *J Allergy Clin Immunol* 2016 Sep;138(3):748-53. doi: 10.1016/j.jaci.2015.12.1341. PMID: 27038909
107. † Sarnowski C, Sugier P-E, Granell R, Jarvis D, Dizier M-H, Ege M, Imboden M, Laprise C, Khusnutdinova E.K, Freidin M.B, Cookson W.O.C, Moffatt M, Lathrop M, Siroux V, Ogorodova L.M, Karunas A.S, James A, Probst-Hensch N.M, von Mutius E, Pin I, Kogevinas M, Henderson A.J, Demenais F, Bouzigon E. **Identification of a new locus at 16q12 associated with time-to-asthma onset.** *J Allergy Clin Immunol.* 2016 Oct;138(4):1071-1080. doi: 10.1016/j.jaci.2016.03.018. PMID: 27130862
108. Nadif R, Siroux V, Boudier A, Le Moual N, Just J, Gormand F, Pison C, Matran R, Pin I **Blood granulocyte patterns as predictors of asthma phenotypes in adults from the EGEA study.** *Eur Respir J.* 2016 Oct;48(4):1040-1051. doi: 10.1183/13993003.00336-2016. PMID: 27492832
109. Matulonga B, Rava M, Siroux V, Bernard A, Dumas O, pin I, Zock JP, Nadif R, Leynaert B, Le Moual N. **Women using bleach for home cleaning are at increased risk of non-allergic asthma.** *Respir Med.* 2016 Aug;117:264-71. doi: 10.1016/j.rmed.2016.06.019. PMID: 27492540
110. † Madore AM, Vaillancourt VT, Bouzigon E, Sarnowski C, Monier F, Dizier MH, Demenais F, Laprise C. **Genes involved in interleukin-1 receptor type II activities are associated with asthma-related phenotypes.** *Allergy Asthma Immunol Res.* 2016 Sep;8(5):466-70. doi: 10.4168/aaair.2016.8.5.466. PMID: 27334786
111. † Nieuwenhuis MAE, Vonk JM, Himes BE, Sernowski C, Minelli C, Jarvis D, Bouzigon E, Nickle DC, Laviolette M, Sin D, Weiss ST, van den Berge M, Koppelman GH, Postma DS **PTTG1IP and MAML3, novel GWAS genes for severity of hyperresponsiveness in adult asthma.** *Allergy.* 2017 May;72(5):792-801. doi: 10.1111/all.13062. PMID: 27709636
112. Siroux V, Lupinek C, Resch Y, Curin M, Just J, Keil T, Kiss R, Lodrup Carlsen K, Melén E, Nadif R, Pin I, Skrinko I, Vrtala S, Wickman M, Anto JM, Valenta R, Bousquet J **Variability of allergen-1 specific immunoglobulin E and G antibodies determined with the MedALL allergen-chip.** *J Allergy Clin Immunol.* 2017 Feb;139(2):643-654.e6. doi: 10.1016/j.jaci.2016.05.023. PMID: 27464960
113. † Rava M, Ahmed I, Kogevinas M, Le Moual N, Bouzigon E, Curjuric I, Dizier MH, Dumas O, Gonzales JR, Imboden M, Mehta AJ, Tubert-Bitter P, Zock JP, Jarvis D, Probst-Hensch NM, Demenais F, Nadif R **Genes interacting with occupational exposures to low molecular weight agents and irritants on adult-onset asthma in three European studies.** *Environ Health Perspect.* 2017 Feb;125(2):207-214. doi: 10.1289/EHP376. PMID: 27504716
114. † Temam S, Burte E, Adam M, Antó JM, Basagaña X, Bousquet J, Carsin AE, Galobardes B, Keidel D, Kuenzli N, Le Moual N, Sanchez M, Sunyer J, Bono R, Brunekreef B, Heinrich J, Hoog K, Jarvis D, Marcon A, Modig L, Nadif R, Nieuwenhuijsen M, Pin I, Siroux V, Stempfelet M, Tsai MY, Probst-Hensch N, Jacquemin B. **Socioeconomic position and air pollution exposure in Western Europe: a multi-city analysis.** *Environ Int.* 2017 Apr;101:117-124. doi: 10.1016/j.envint.2016.12.026. PMID: 28159394
115. Li Z, Rava M, Bédard A, Dumas O, Garcia-Aymerich J, Leynaert B, Pison C, Le Moual N, Romieu I, Siroux V, Camargo CA Jr, Nadif R, Varraso R. **Cured meat intake is associated with worsening asthma symptoms.** *Thorax.* 2017 Mar;72(3):206-212. doi: 10.1136/thoraxjnl-2016-208375. PMID: 27999171
116. † Liu Y, Brossard M, Roqueiro D, Margaritte-Jeannin P, Sarnowski C, Bouzigon E, Demenais F. **SigMod: an exact and efficient method to identify a strongly interconnected disease-associated module in a gene network.** *Bioinformatics.* 2017 May 15;33(10):1536-1544. doi: 10.1093/bioinformatics/btx004. PMID: 28069594
117. Nadif R, Bouzigon E, Le Moual N, Siroux V. **EGEA collection: a biobank devoted to asthma and asthma-related phenotypes.** *Open Journal of Bioresources* 2019; 4(1), p5.

118. †Vonk JM, Scholtens S, Postma DS, Moffatt MF, Jarvis D, Ramasamy A, Wjst M, Omenaas, Bouzigon E, Demenais F, Nadif R, Siroux V, Polonikov A, Solodilova M, Ivanov V, Curjuric I, Imboden M, Kumar A, Probst-Hensch N, Ogorodova LM, Puzyrev VP, Bragina EY, Freidin MB, Nolte IM, Lifelines Cohort Study, Farrall AM, Cookson WOCM, Strachan DP, Koppelman GH, Boezen HM. **Adult onset asthma and interaction between genes and active tobacco smoking.** *PLoS One.* 2017 Mar 2;12(3):e0172716. doi: 10.1371/journal.pone.0172716. eCollection 2017. PMID: 28253294
119. Burte E, Bousquet J, Siroux V, Just J, Jacquemin B, Nadif R. **Sensitization pattern differs according to rhinitis and asthma multimorbidity in adults: the EGEA study.** *Clin Exp Allergy.* 2017 Apr;47(4):520-529. doi: 10.1111/cea.12897. PMID: 28236637
120. Akiki Z, Rava M, Gil Oscar D, Pin I, Le Moual N, Siroux V, Guerra S, Chamat S, Matran R, Colomer Montserrat F, Salameh P, Nadif R. **Blood cytokine profiles and subsequent risk of asthma symptom control in adults from the EGEA study.** *Respir Med.* 2017 Apr;125:57-64. doi: 10.1016/j.rmed.2017.03.002. PMID: 28340863
121. †Cheung* WA, Shao* X, Morin A, Siroux V, Kwan T, Ge B, Aïssi D, Chen L, Vasquez L, Allum F, Guénard F, Bouzigon E, Simon MM, Boulier E, Redensek A, Watt S, Datta A, Clarke L, Flicek P, Mead D, Paul DS, Beck S, Bourque G, Lathrop M, Tchernof A, Vohl MC, Demenais F, Pin I, Downes K, Stunnenberg HG, Soranzo N, Pastinen T*, Grundberg E*. **Functional variation in allelic methylomes underscore strong genetic contribution and reveal novel epigenetic alterations in the human epigenome.** *Genome Biol.* 2017 Mar 10;18(1):50. doi: 10.1186/s13059-017-1173-7. PMID :28283040.
122. Li Z, Rava M, Bédard A, Dumas O, Garcia-Aymerich J, Leynaert B, Pison C, Le Moual N, Romieu I, Siroux V, Camargo CA Jr, Nadif R, Varraso R. **Prospective study of healthy eating and change in asthma symptoms according to smoking.** *Br J Nutr.* 2017 Feb;117(4):562-571. doi: 10.1017/S0007114517000368. PMID : 28382891
123. Nadif R, Dizier MH, Bouzigon E, Demenais F, Pin I, Siroux V, au nom du groupe coopératif d'EGEA. **Mieux comprendre l'hétérogénéité et l'étiologie de l'asthme : synthèse des résultats récents de l'étude des facteurs génétiques et environnementaux de l'asthme (EGEA).** *La lettre du pneumologue, Juin 2017.*
124. †Liu Y, Brossard M, Sarnowski C, Vaysse A, Moffatt M, Margaritte-Jeannin P, Llinares F, Dizier M-H, Lathrop M, Cookson W, Bouzigon E, Demenais F. **Network-assisted analysis of GWAS data identifies a functionally-relevant gene module for childhood-onset asthma.** *Sci Rep.* 2017 Apr 20;7(1):938. doi: 10.1038/s41598-017-01058-y. PMID: 28428554
125. †Sugier PE, Brossard M*, Sarnowski C*, Vaysse A, Morin A, Pain L, Margaritte-Jeannin P, Dizier MH, Lathrop M, Laprise C, Demenais F, Bouzigon E. **A novel role for cilia function in atopy: ADGRV1 and DNAH5 interactions.** *J Allergy Clin Immunol.* 2017 Sep 16. pii: S0091-6749(17)31441-0. doi: 10.1016/j.jaci.2017.06.050. PMID: 28927820
126. Andrianjafimasy M, Zerimech F, Akiki Z, Huyvaert H, Le Moual N, Siroux V, Matran R, Dumas O, Nadif R. **Oxidative stress biomarkers and asthma characteristics in adults of the EGEA study.** *Eur Respir J.* 2017 Dec 28;50(6). pii: 1701193. doi: 10.1183/13993003.01193-2017. PMID: 29284685
127. †Margaritte-Jeannin P, Babron MC, Laprise C, Lavielle N, Sarnowski C, Brossard M, Moffatt M, Gagné-ouellet V, Etcheto A, Lathrop M, Just J, Cookson WO, Bouzigon E, Demenais F, Dizier MH. **The COL5A3 and MMP9 genes interact in eczema susceptibility.** *Clin Exp Allergy.* 2017 Nov 23. doi: 10.1111/cea.13064. PMID: 29168291
128. †Siroux V, Ballardini N, Soler M, Lupinek M, Boudier A, Pin I, Just J, Nadif R, Anto JM, Melen E, Valenta R, Wickman M, Bousquet J. **The asthma-rhinitis multimorbidity is associated with IgE polysensitization in adolescents and adults.** *Allergy.* 2018 Jan 13. doi: 10.1111/all.13410. PMID: 29331026
129. †Demenais F, Margaritte-Jeannin P, Barnes KC, Cookson W, Altmüller J, Ang W, et al. **Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks.** *Nat Genet.* 2018 Jan;50(1):42-53. doi: 10.1038/s41588-017-0014-7. PMID: 29273806

130. †Burte E, Leynaert B, Bono R, Brunekreek B, Bousquet J, Carsin AE, De Hoogh K, Forsberg B, Gormang F, Heinrich J, Just J, Marcon A, Kunzli N, Nieuwenhuijsen M, Pin I, Stempfelet M, Sunyer J, Villani S, Siroux V, Jarvis D, Nadif R, Jacquemin B. **Association between air pollution and rhinitis incidence in two European cohorts**. *Environ Int.* 2018 Jun;115:257-266. doi: 10.1016/j.envint.2018.03.021. PMID :29605678
131. †Vonk J, Nieuwenhuis MAE, Dijk FN, Boudier A, Siroux V, Bouzigon E, Probst-Hensch N, Imboden M, Keidel D, Sin D, Bosse Y, Hao K, Van den Berge M, Faiz A, Koppelman GH, Postma DS. **Novel genes and insights in complete asthma remission.** *Clin Exp Allergy.* 2018 Oct;48(10):1286-1296. doi: 10.1111/cea.13181. PMID: 29786918.
132. Havet A, Zerimech F, Sanchez M, Siroux V, Le Moual N, Brunekreef B, Stempfelet M, Kunzli N, Jacquemin B, Matran R, Nadif R. **Outdoor air pollution, exhaled 8-isoprostanes and current asthma in adults: the EGEA study.** *Eur Respir J.* 2018 Apr 4;51(4). pii: 1702036. doi: 10.1183/13993003.02036-2017. Print 2018 Apr. PMID: 29618600
133. Le Moual N, Zock JP, Dumas O, Lytras T, Andersson E, Lillienberg L, Schläpfer V, Benke G, Kromhout H. **Update of an occupational Asthma-Specific Job-Exposure Matrix to assess exposure to 30 specific agents.** *Occup Environ Med.* 2018 Jul;75(7):507-514. doi: 10.1136/oemed-2017-104866. PMID : 29650699
134. Aalbers R, Lupinek C, Siroux V, Nadif R, Just J, Bousquet J, Valenta R, Platts-Mills T-A. **sIgE and sIgG to airborne atopic allergens: coupled rather than inversely-related responses.** *Allergy.* 2018 Nov;73(11):2239-2242. doi: 10.1111/all.13548. PMID: 29987842
135. Diziez MH, Margaritte-Jeanin P, Pain L, Sarnowski C, Brossard M, Mohamdi H, Lavielle N, Babron MC, Just J, Lathrop M, Laprise C, Bouzigon E, Demenais F, Nadif R. **Interactive effect between ATPase-related genes and early-life tobacco smoke exposure on bronchial hyper-responsiveness detected in asthma-ascertained families.** *Thorax.* 2019 Mar;74(3):254-260. doi: 10.1136/thoraxjnl-2018-211797. PMID:30282721
136. † Boudier A, Chanoine S, Accordini S, Anto JM, Basagana X, Bousquet J, Demoly P, Garcia-Aymerich J, Gormand F, Heinrich J, Janson C, Kunzli N, Matran R, Pison C, Raheissou C, Sunyer J, Varraso R, Jarvis D, Leynaert B, pin I, Siroux V. **Data-driven adult asthma phenotypes are associated with asthma outcomes twenty years later.** *Allergy.* 2019 May;74(5):953-963. doi: 10.1111/all.13697 PMID: 30548629
137. Siroux , Boudier A, Nadif R, Lupinek C, Valenta R, Bousquet J. **Association between asthma, rhinitis, and conjunctivitis multimorbidities with molecular IgE sensitization in adults.** *Allergy.* 2019 Apr;74(4):824-827. doi: 10.1111/all.13676. PMID : 30474280
138. Li Z, Leynaert B, Dumas O, Diaz Gil O, Garcia-Aymerich J, Colomer MF, Le Moual N, Pison C, Romieu I, Siroux V, Camargo Jr CA, *Varraso R, *Nadif R. **Role of leptin in the association between body adiposity and persistent asthma: a longitudinal study.** *Obesity (Silver Spring).* 2019 Apr 20. doi: 10.1002/oby.22466. PMID : 31004416
139. Siroux V, Bouzigon E. **Asthma heterogeneity: the increasing genetic evidence.** *Lancet Respir Med.* 2019 Apr 26. pii: S2213-2600(19)30047-5. doi: 10.1016/S2213-2600(19)30047-5. PMID: 31036434
140. Leynaert B, Le Moual N, Neukirch C, Siroux V, Varraso R. **Facteurs environnementaux favorisant le développement de l'asthme.** *Presse Med.* 2019 Mar;48(3 Pt 1):262-273. doi: 10.1016/j.lpm.2019.02.022. PMID: 30910274
141. Nadif R. **Genetic insights into moderate-to-severe asthma.** *Lancet Respir Med.* 2019 Jan;7(1):2-3. doi: 10.1016/S2213-2600(18)30447-8. PMID: 30552066
142. † Keidel D*, Anto JM, Basagaña X, Bono R, Burte E, Carsin AE, Forsberg B, Fuertes E, Galobardes B, Heinrich J, de Hoogh K, Jarvis D, Künzli N, Leynaert B, Marcon A, Le Moual N, de Nazelle A, Schindler C, Siroux S, Stempfelet M, Sunyer J, Temam S, Tsai MY, Varraso R, Jacquemin B, Probst-Hensch N. **The role of socioeconomic status in the association of lung function and air pollution– a pooled analysis of three adult ESCAPE cohorts.** *Int J Environ Res Public Health.* 2019 May 29;16(11). pii: E1901. doi: 10.3390/ijerph16111901. PMID: 31146441

143. Sintobin I*, Siroux V*, Holtappels G, Pison C, Nadif R, Bousquet J, Bachert C. **Sensitisation to staphylococcal enterotoxins and asthma severity: a longitudinal study in the EGEA cohort.** *Eur Respir J*. 2019 Sep 12;54(3). pii: 1900198. PMID: 31285304
144. Akiki Z, Andrianjafimasy M, Zerimech F, Le Moual N, Siroux V, Dumas O, Matran R, Nadif R. **High level of fluorescent oxidation products and worsening of asthma control over time.** *Respir Res* 2019 Sep 6;20(1):203. PMID: 31492144
145. Havet A, Li Z, Zerimech F, Sanchez M, Siroux V, Le Moual N, Brunekreef B, Kunzli N, Jacquemin B, Varraso R, Matran R, Nadif R. **Does the oxidative stress play a role in the associations between outdoor air pollution and persistent asthma in adults? Findings from the EGEA study.** *Environ Health*. 2019 Oct 29;18(1):90. PMID: 31665023
146. † Sugier PE, Sarnowski C, Granell R, Laprise C, Ege M, Margaritte-Jeannin P, Dizier MH, Minelli C, Moffart M, Lathrop M, Cookson WOC, Henderson AJ, Von Mutius E, Kogevinas M, Demenais F, Bouzigon E. **Genome-wide interaction study of early-life smoking exposure on time-to-asthma onset in childhood.** *Clin Exp Allergy*, 49 (10), 1342-1351 Oct 2019. PMID:31379025
147. † Burte E, Leynaert B, Marcon A, Bousquet J, Benmerad M, Bono R, Carsin AE, De Hoogh K, Forsberg B, Gormand F, Heinrich J, Just J, Nieuwenhuijsen M, Pin I, Stempfelet M, Sunyer J, Villani S, Künzli N, Siroux V, Jarvis D, Nadif R, Jacquemin B. **Long-term air pollution exposure is associated with increased severity of rhinitis in 2 European cohorts.** *J Allergy Clin Immunol*, 145 (3), 834-842.e6, Mar 2020. PMID:31983528
148. Guillien A, Lepeule J, Seyve E, Le Moual N, Pin I, Degano B, Garcia-Aymerich J, Pépin JL, Pison C, Dumas O, Varraso R, Siroux V. **Profiles of exposures and lung function in adults with asthma: An exposome approach in the EGEA study.** *Env Res*, 2020 Nov 5;110422. PMID: 33160974
149. Nadif R, Febrissy M, Andrianjafimasy MV, Le Moual N, Gormand F, Just J, Pin I, Siroux V, Matran R, Dumas O, Nadif M. **Endotypes identified by cluster analysis in asthmatics and non-asthmatics and their clinical characteristics at follow-up: the case-control EGEA study.** *BMJ Open Res* 2020;7:e000632. PMID: 33268339
150. † Qi C, Vonk J, A van der Plaat D, Nieuwenhuis M, Dijk N, BIOS Consortium, Aïssi D, Siroux V, Boezen M, Xu CJ, Koppelman G. **Epigenome-wide association study identifies DNA methylation markers for asthma remission in whole blood and nasal epithelium.** *Clin Transl Allergy*. 2020 Dec 11;10(1):60. PMID: 33303027
151. Savoure M, Bousquet J, Burte E, Just J, Pin I, Siroux V, Orsi L, Jacquemin B and Nadi, R. **Questionnaire as an alternative of skin prick tests to differentiate allergic from non-allergic rhinitis in epidemiological studies.** *Allergy* 2021 Mar 12. doi: 10.1111/all.14812. Online ahead of print. PMID: 33711176
152. Andrianjafimasy MV, Febrissy M, Zerimech F, Danaché B, Kromhout H, Matran R, Nadif N, Oberson-Geneste D, Quinot C, Schlunssen V, Siroux V, Zock JP, Le Moual N, Nadif R, Dumas O. **Association between occupational exposure to irritant agents and a distinct asthma endotype in adults.** *Occup Environ Med*. 2022 Mar;79(3):155-161. doi: 10.1136/oemed-2020-107065. Epub 2021 Aug 19. PMID: 34413158.
153. Siroux V, Boudier A, Bousquet J, Dumas O, Just J, Le Moual N, Nadif R, Varraso R, Valenta R, Pin I. **Trajectories of IgE sensitization to allergen molecules from childhood to adulthood and respiratory health in the EGEA cohort.** *Allergy* 2021
154. Andrianjafimasy M, Orsi L, Margaritte-Jeannin P, Mohamdi H, Demenais F, Le Moual N, Matran R, Zerimech F, Dumas O, Dizier MH, Nadif R. **PID1 is associated to a respiratory endotype related to occupational exposures to irritants.** *Free Radic Biol Med*. 2021 Aug 20;172:503-507. doi: 10.1016/j.freeradbiomed.2021.05.038. Epub 2021 Jun 2. PMID: 34087431
155. Granger V, Zerimech F, Arab J, Siroux V, de Nadai P, Tscicopoulos A, Matran R, Akiki Z, Nadif R. **Blood eosinophil cationic protein and eosinophil-derived neurotoxin are associated with different asthma expression and evolution in adults.** *Thorax*. 2021 Oct 6;thoraxjnl-2021-217343. doi: 10.1136/thoraxjnl-2021-217343. Online ahead of print. PMID: 34615736

- 156.Orsi L, Margaritte-Jeannin P, Andrianjafimasy M, Dumas O, Mohamdi H, Bouzigon E, Demenais F, Matran R, Zerimech F, Nadif R, Dizier MH. **Genome-Wide Association Study of Fluorescent Oxidation Products Accounting for Tobacco Smoking Status in Adults from the French EGEA Study.** *Antioxidants (Basel)*. 2022 Apr 20;11(5):802.doi: 10.3390/antiox11050802.
- 157.†Madore AM, Bossé Y, Margaritte-Jeannin P, Vucic E, Lam WL, Bouzigon E, Bourbeau J, Laprise C. **Analysis of GWAS-nominated loci for lung cancer and COPD revealed a new asthma locus.** *BMC Pulm Med*. 2022 Apr 23;22(1):155.doi: 10.1186/s12890-022-01890-7.
- 158.Orsi L, Savouré M, Bousquet J, Jacquemin B, Siroux V, Jaakkola MS, Jaakkola JJK, Leynaert B, Nadif R. **Indoor visible moulds and rhinitis in adults: The EGEA study.** *Allergy*. 2022 Sep 22.doi: 10.1111/all.15525. Online ahead of print.
- 159.†Vernet R, Matran R, Zerimech F, Madore AM, Lavoie ME, Gagnon PA, Margaritte-Jeannin P, Siroux V, Dizier MH, Demenais F, Laprise C, Nadif R, Bouzigon E. **Identification of novel genes influencing eosinophil-specific protein levels in asthma families.** *J Allergy Clin Immunol*. 2022 Nov;150(5):1168-1177. doi: 10.1016/j.jaci.2022.05.017. Epub 2022 Jun 6.
- 160.Pacheco Da Silva E*, Ngutuka M*, Dumas O, Orsi L, Ait-hadad W, Lemire P, Quentin J, Pin I, Varraso R, Siroux V, Le Moual N. **Longitudinal associations of household use of cleaning agents and asthma symptoms in women: the EGEA study.** *Occup Environ Med*. 2023 Apr;80(4):218-224. doi: 10.1136/oemed-2022-108513. Epub 2023 Feb 6. PMID: 36746618.
- 161.†Savoure M, Bousquet J, Leynaert B, Renuy A, Siroux V, Goldberg M, Zins M, Jacquemin B, Nadif R. **Rhinitis phenotypes and multimorbidities in the general population Constances cohort.** *Eur Respir J*. 2023 Feb 9;61(2):2200943.doi: 10.1183/13993003.00943-2022. Print 2023 Feb.
- 162.GuillienA, Niespodziana K, Mauclin M, Boudier A, Varraso R, Leynaert B, Dumas O, Le Moual N, Schleder T, Bajic M, Borochova K, Errhalt P, Vernet R, Nadif R, Bousquet J, Bouzigon E, Valenta R, Siroux V. **Determinants of immunoglobulin G responses to respiratory syncytial virus and rhinovirus in children and adults.** *Front Immunol*. 2024 Mar 4;15:1355214.doi: 10.3389/fimmu.2024.1355214. eCollection 2024.
- 163.†Visonà G, Bouzigon E, Demenais F, Schweikert G. **Network propagation for GWAS analysis: a practical guide to leveraging molecular networks for disease gene discovery.** *Brief Bioinform* 2024; 25(2): bbae014. doi: 10.1093/bib/bbae014.

† Papers based on EGEA and other studies

Reviews without original data from the EGEA study but linked to research activities conducted in EGEA

Last update April 12, 2024