

CURRICULUM VITAE



Name: Jeroen Titus Maria Buters
Date of birth: October 28, 1957
Place of Birth: Eindhoven, Netherlands
Citizenship: Dutch
Marital Status: Married, one daughter (Nienke, born 1993), one son (Torsten, born 1995)

Scientific curriculum

- 2009-to date **Deputy director**, Center for Allergy and Environment, Technische Universität München
- 2009-2012 **Coordinator** of the EU-project „HIALINE“ (Health Impacts of Airborne Allergen Information Network“, www.HIALINE.eu)
- 2007 **apl. Professor** of the Technical University München
- 2005 **Registered toxicologist**, Deutsche Gesellschaft für Experimentelle und Klinische Pharmakologie und Toxikologie. Registered Eurotoxicologist.
- 2001-to date **Principal investigator** „Toxikologie und Expositionsforschung“, ZAUM- Center of Allergy and Environmental Health, Technische Universität München, München, Germany
- 1996-2001 **“Habilitation”**, Technische Universität **München**. Title:“Toxicologic use of cytochrome P450 knockout mice“, München. Mentor: Prof. Dr. H. Greim.
- 1992-1996 **Visiting scientist**, Laboratory of Molecular Carcinogenesis, Division of Cancer Etiology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland, **USA**
- 1989-1992 **Post Doctoral Fellow**, Department of Drug Metabolism, F. Hoffmann-La Roche AG, Basel, Switzerland. Title: „Inter-species extrapolation of pharmacokinetic parameters“
- 1987-1989 **PhD**, University of Berne, **Switzerland**. Title:“Metabolism of antipyrine in two rat models of liver cirrhosis“. Mentor: Prof. Dr. J. Reichen
- 1986-1987 **Registered pharmacist**, Apotheek „De Maten“, Apeldoorn, Netherlands
- 1985-1986 **Military service**, Ermelo, Netherlands. Rank: captain.
- 1984-1985 **Registered pharmacist**, University of Groningen, Netherlands
- 1984 **MS**, University of Groningen, **Netherlands**
- 1976-1984 **Master thesis**, Institut für Klinische Pharmakologie, University Berne, Switzerland. Title: “Animal models of Cytochrome P450 polymorphisms.“ Mentor: Prof. Dr. D.K.F. Meyer

Other Training:

- 2000 Licensed pharmacist, Germany
- 2000-2005 Education cycle leading to the title of "Fachtoxikologe" (Deutsche Gesellschaft für Pharmacologie und Toxikologie).
- 2001-2003 Certificate „Pro Lehre“, didactical education for University lecturers (2 year course, 200 hrs), Technical University Munich, Germany
- 2001 Education to „Gentechnikbeauftragten“, Regierung Oberbayern
- 2001-to date Administrator of the computersystem of ZAUM- Center for Allergy and Environment. 30 PC's, 2 Servers, 14 Endstations

Honors & Other Special Scientific Recognition:

- 1976 Summa Cum laude, Athenaeum, pre-university education, **1976**
- 1979 Financial award of the Royal Dutch Association for Advancement of Pharmacy, used to study six months in Switzerland, **1983**
- 1996 Financial award of Gentest Corp., Woburn, MA, USA, used to finance the 3 months beginning period at NIH, Bethesda, USA, **1992**
- 1998 Postdoctoral Research Distinction, 5th International ISSX (International Society of the Study of Xenobiotics) Meeting, Cairns, Australia, October 25-29, **1998**
- 2000 Münchener Business Plan Wettbewerb 1999-**2000**, award for the development of a business plan for a biotechnology company in toxicology, Munich, Germany
- 2001 Member of the organizing committee of the sixth International ISSX (International Society of the Study of Xenobiotics) **2001** meeting, Munich, Germany
- 2004 Posterprice: "Belloni BC, Schober W, Eberlein-Koenig B, Bohn P, Buters JTM, Behrendt H: Organic compounds of an environmental aerosol: Effects on Bet v 1 induced basophil activation." XXIII Congress of the European Academy of Allergology and Clinical Immunology, Amsterdam, Netherlands, 12. – 16. Juni **2004**
- 2006 Posterprice: "Lubitz S, Schober W, Belloni B, Eberlein-König B, Lintelmann J, Behrendt H, Buters, J: Diesel soot-associated polycyclic aromatic hydrocarbons seem to be responsible for the rBet v 1-induced upregulation of CD63 in basophils from birch pollen allergic individuals." XXIV Congress of the European Academy of Allergology and Clinical Immunology, Vienna, Austria, 10. – 14. Juni **2006**
- 2006 Posterprice: "Schober W, Hölsch K, Lubitz S, Gebauer G, Eberlein-König B, Lintelmann J, Behrendt H, Buters JTM: Environmental polycyclic aromatic hydrocarbons (PAHs): Do they drive proallergic inflammation through the generation of oxidative stress?" XXIV Congress of the European Academy of Allergology and Clinical Immunology, Vienna, Austria, 10. – 14. Juni **2006**
- 2007 Deutsche Gesellschaft für Toxikologie: GT- Publication price for the best German toxicologic publication **2006** (Bibliographie No 36)

- 2008 Posterprice „Schober et al.: 26th congress of the EAACI, Barcelona, Spain
- 2008 Posterprice „S. Oeder I. Weichenmeier, W. Schober, S. Dietrich, H. Fromme, H. Behrendt, J.T.M. Buters: Elemental Composition of Particulate Matter in Classrooms“, GHUP Conference **2008**, Graz, Austria
- 2013 Price of SGA (Schweizer Gesellschaft für Aerobiologie) for outstanding oral poster presentation "Das biologische Exposome in Davos und München" at the joint annual meeting of the Swiss Society for Allergology and Immunology (SSAI) und Swiss Respiratory Society (SGP), Berne 19 April **2013**
- 2013 Short communication price on the 8th National German Allergy Conference, J. Buters, I. Weichenmeier, C. Weingart, G. Pusch, L. Brunnberg, C. Schmidt-Weber : „Kill the wrong cat?“, Bochum **2013**

Group members of the research group „Environment“ in ZAUM

- Scientists: Dr. Jose Oteros TVL 13
 Dr. Jesus Rojo TVL13/2
 MSc Joana Candeias TLV 13/2
 Dipl. Ing. Gudrun Pusch TLV 9
- Technicians: Elke Bartusel, technician part-time 75% TLV 9
 Christine Weil, technician, part-time, 40% TLV 9
 Cordula Ebner von Eschenbach, part-time, 20% TLV 9

Research Focus

Allergy, environment, experimental toxicology with focus on the environment, aerobiology, xenobiotica metabolism (cytochrome P450), and skin.

Teaching:

- 1979-1981 Assistant-Teacher in the course Science Philosophy, Pharmaceutical Faculty, University of Groningen, Netherlands.
- since 1996 Lecturer in the lecture cycle "Toxikologie für Naturwissenschaftler", Technische Universität München.
- 1996-1998 Participation in the lecture cycle "Wirkungen chemischer Schadstoffe auf Mensch und Tier", Aufbaustudium Umweltschutztechnik, TU München. Teaching of the double lectures "kanzerogene" and "Atemgifte".
- since 1996 Coaching of master students of "Fachhochschule Weihenstephan, Fachbereich Biotechnologie" in obtaining their MS degree (6 months laboratory work each)
- since 2000 Principal responsible lecturer for the complete cycle of lectures (13 hours) "Toxikologie für Naturwissenschaftler", Ludwig-Maximilians-Universität, München
- 2001-2006 Lecturer for Toxikology in the lecture cycle „Allgemeine und Systematische Pharmakologie und Toxikologie“, Prof. Dr. F. Hofmann, TU München

- since 2002 Responsible for the lecture cycle „Weiterbildung am ZAUM“, TU München (1 Semesterstunde)
- since 2002 Chairman of the working group „Lehre in der Toxikologie“ of the DGPT (Deutsche Gesellschaft für Pharmakologie und Toxikologie)
- since 2001 Supervision of 2-3 technical assistants
- since 2002 Supervision of 9 master students
- since 2002 Supervision of one „Habilitation“
- since 2002 Supervision of 4 PhD-theses
- since 2002 Supervision of student assistant
- since 2004 Supervision of a molecular-biological ingenieur
- 1999-2014 Organizer of a public excursion „Giftpflanzen“ in the „Stadtgärtnerei München“. Announced in the newspaper „Süddeutsche Zeitung“, approx. 25 participants/year.

Grants: (sum €2.059.000)

1. DGF-grant DO 242/9-1: "Konstruktion eines Cytochrom P450 1a1 (-/-) Null-Mutanten-Mausstamm", **1997**. One scientist position BAT IIa for 2 years, DM 50.000,-- for supplies, and DM 25.000,-- for animal housing.
2. DFG-fortsetzungsantrag DO-242/9-3: "Konstruktion eines Cytochrom P450 1a1 (-/-) Null-Mutanten-Mausstamm", **1999**. One scientist position BAT IIa for 2 years and DM 42.000,-- for supplies.
3. „Habitationspreis“ Regierung Oberbayern **2002** for a Post-Doc (Dr. Schober) in my group „Toxikologie und Expositionsforschung“. Theme: „The role of xenobiotic metabolism on anthropogenic factors in the IgE mediated sensitisation“. BATIIa for 3 years and € 7.500 Laboratory expenses.
4. Grant financed 50% by the BMW group and 50% by the Bayerisches Forschungsministerium: "Innenraumschadstoffe in Kfz-Wagen". Coordinated Research in collaboration with Fraunhoferinstitut Holzkirchen. **€1.500.000** –for both institutions. My group was responsible for the characterisation of xenobiotica metabolising enzymes (20% of the grant) **2003-2006**
5. Grant of the commission for clinical research of the Technical University Munich. Topic: „Mechanisms of the adjuvant effects of diesel exhaust particle- associated polycyclic aromatic hydrocarbons on basophilic granulocytes and their role in the elicitation of IgE-mediated diseases“. **€130.000, 2004**.
6. Network PAMINA (Particulate Matter in Indoor and Ambient Environments). Collaboration between the Environmental Medicine Branch of the Ludwig-Maximillan University, Munich, Germany, and the „Landesamt für Gesundheit und Lebensmittelsicherheit, and ZAUM- Center for Allergy and Environment of the Technical University Munich. **€ 150.000, 2006-2010**.
7. Grant of the commission for clinical research of the Technical University Munich. Topic: „Cytochrome P450 expression in human mast cells“. **€ 33.535, 2006**.

8. „Einfluss des Hochgebirgsklimas auf Allergologische Parameter“, 3 years, 2007-2010, together with Prof. Ring, Prof. Behrendt, Prof. Menzing, Technische Universität München. **€150.000, 2008-2011**
9. EU-Grant (EAHC) HIALINE: „Health Impacts of Airborne Allergen Information Network“, I am coordinator, 13 partners, 11 countries, **€ 621.000, 2009-2011.**
10. Short term scientific missions (STSM) to Prof. Andersson, Sweden and visitors from Prof. Rui Brandao, Portugal. “Allergens in ambient air”, European Union COST Action 0603, € 3.000, **2010.**
11. BMBF: Toxicologische und chemische Charakterisierung von Feinstaub aus der Holzverfeuerung in Chile, €13.800, **2010-2012**
12. DANONE Inc.–collaborative study. IgE mediated degranulation models. €8.000, **2010**
13. CK-CARE (Christine Kühne- Center of Allergy Research and Education, Munich branch). **€ 450.000** for 3 years. Biogenic exposure measurements in ambient air in Davos, Switzerland and Munich Germany and their role in the aetiology of allergy. **2010-2015.**
14. HICE (Helmholtz Virtual Institute of Complex Environmental Mixtures). Cooperation in a consortium lead by prof. Dr. R. Zimmermann, Rostock/Munich. My part concerns **€165.000, 2011-2015.** Health effects of combustion exhaust particles.
15. Bavarian government grant: “Endotoxins in school particulate matter”, €12.500, **2012**
16. European Academy for Allergy and Clinical immunology (EAACI): Workshop EU-Parliament. “Allergies in a changing Environment in Europe”, Brussels, March 25th, **2012.** €15.000 (I was the organizer).
17. Bayerische Forschungsstiftung: Allergie Symptomerfassung mittels eines vorhandenen on-line Pollen-Symptomtagebuches und Korrelation mit Pollen, Allergen und einem Bio-Assay. Gastprofessor Celia Antunes, Portugal, for **2013,** €8.200.
18. Grant ePIN-Health, Regierung von Oberbayern **2014-2017 €190.000** on automatic Pollen monitoring in Bavaria, Germany
19. Grant ePIN-Climate, Regierung von Oberbayern **2015-2017 €150.000** on automatic Pollen monitoring in Bavaria, Germany
20. Grant ePIN-Valid, Regierung von Oberbayern **2017-2019 €340.000** on automatic Pollen monitoring in Bavaria, Germany
21. Grant ePIN-Manu, Regierung von Oberbayern **2018-2021 €150.000** on manual Pollen monitoring in Bavaria, Germany
22. Grant SEAL-Climate, Landesamt für Lebensmittelsicherheit und gesundheit, on allergic sensitization in Bavaria, Germany **2016-2018 €95.000**
23. Grant CK-CARE of the Kühne Stiftung on allergen monitoring in ambient air, **€70.000, 2015-2017.**
24. Grant Helmholtzzentrum Munich, on adjuvant effects of environmental pollution of allergic reactions at the Air-Liquid Interface, **2018-2021, TVL13/2 plus expenses €180.000**
25. Grant Helmholtzzentrum Munich, on effects of climate change on the allergenicity of pollen, **TVL13/2 for 3 years 2018-2021 plus expenses €120.000**

26. Grant Life Sciences, on effects of particles at the Air-Liquid Interface, **2018-2020 €33.000**
27. Grant KLIMApollen, **€450.000 Bavarian Government, 2018-2020**
28. Grant ePIN-Klima, **€150.000, Bavarian Government, 2018-2020**

Invited reviewer for peer reviewed journals:

1. Pharmacogenetics
2. Biochemical Pharmacology
3. Naunyn-Schmiedeberg´s Archives of Pharmacology
4. Fundamental & Clinical Pharmacology
5. Carcinogenesis
6. Clinical Cancer Research
7. Mutation Research
8. Journal Allergy and Clinical Immunology (JACI, since 2014)
9. Allergy (since 2010)

Society Memberships:

- since 1997 Deutsche Gesellschaft für experimentelle und klinische Pharmacologie und Toxikologie (DGPT)
- since 1999 European Society of Toxicology (Eurotox), Netherlands
- since 2000 Deutscher Hochschulverband, Germany
- since 2005 European Academy of Allergology and Clinical Immunology (**EAACI**, 6500 members), first secretary, past **Chair** of the Interest Group Aerobiology & Pollution since 2017
- 2009-2015 first vice-chair, then **Chair** of the section „Inhalation , Exposure and Health“ of the EAC (European Aerosol Conference, 1000 members).
- Since 2006 first secretary, now **Chair** of the Section Environmental and Occupational Medicine, Deutsche Gesellschaft für Allergie und Klinische Allergologie (DGAKI)

Lectures

1. Gonzalez FJ, Chen L, Crespi CL, Grogan J, Korzekwa KR, Penman B, and Buters JTM: Baculovirus Expression of P450s and accessory enzyme. General lecture, International Conference on Microsomes and Drug Oxidations, **Toronto, 1994**.
2. Buters JTM and Gonzalez FJ: Baculovirus expression of cytochromes P450. Lecture, Dept. of Drug Metabolism and Pre-Clinical Pharmacokinetics, F. Hoffmann-La Roche AG, Basel, **Switzerland, 1995**.
3. Buters JTM, Jefcoate CR, Greim H, Doehmer J, and Gonzalez FJ: Knockout mice to study the function of CYP1B1 in carcinogenesis. Planary lecture at Microsomes, Drug oxidation, and Clinical Pharmacology, satellite symposium following the 2nd Congress of the European Association for Clinical Pharmacology and Therapeutics, **Berlin, 1997**.
4. Buters JTM: Cytochrome P450 knockout mice and the pharmacokinetics of caffeine, the toxicity of paracetamol, and the carcinogenicity of polycyclic aromatic hydrocarbons. Klinge-Fujisawa Pharma, **München, 1998**.
5. Buters JTM, Gonzalez FJ, Greim H, Jefcoate CR, Luch A, Soballa V, and Doehmer J: Knockout- Mäuse zum Studium der Funktion von Cytochrom P450 1B1 in der Kanzerogenese. DGPT Frühjahrstagung, **Mainz, 1998**.
6. Buters JTM: Cytochrome P450 CYP1B1-null mice are resistant to 7,12-dimethylbenz[a]anthracene induced tumors. Chinese University of Hong Kong, **Hong Kong, 1998**.
7. Buters JTM, Sakai S, Alexander DL, Jefcoate CR, Richter T, Soballa S, Neuhauser S, Gonzalez FJ, Doehmer J: CYP1B1, but not CYP1A1, is responsible for 7,12-dimethylbenz[a]anthracene induced cancers in mice, and probably also in humans. 7th European meeting of the International Society of the Study of Xenobiotics, **Budapest, 1999**.
8. Buters JTM: "Toxikologische Anwendung von Cytochrom P450 Knockout-Mäusen". Pharmazeutisches Institut, Universität **Kiel, 1999**.
9. Buters JTM: "Knockout-Mäuse für fremdstoffmetabolisierende Enzyme: eine wichtige Methode in der Pharmakologie und in der Toxikologie". Institut für Pharmakologie, Universität **Köln, 1999**.
10. Buters JTM, Schober W, Neuhauser S, Meixenberger K, Seidel A, und Doehmer J: Spezifische Substrate für Cytochrome P4501A1 sowie 1B1 und menschliches Risikopotential. DGPT Frühjahrstagung, **Mainz, 2000**.
11. Buters JTM:"Mechanistische Toxikologie: Cytochrom P450 Knockout-Mäuse und die Toxizität von Xenobiotica". Bundesinstitut für gesundheitlichen Verbraucherschutz und Veterinärmedizin, **Berlin, 2000**.
12. Buters JTM:"Cytochrome P450 knockout mice in toxicity testing". Plenarvorlesung im Symposium der Frühjahrstagung der DGPT, **Mainz, 2001**.
13. Buters JTM:"Cytochrom P450 Knockout-Mäuse und die Toxizität von Xenobiotica". Dermatologische Klinik, TU München, **München 2001**.

14. Buters JTM: „Fremstoffmetabolismus und Umweltunverträglichkeiten“. Deutsche Gesellschaft für Allergie und Immunologie DGAI, Frühjahrstagung **Bochum, 2002.**
15. Buters JTM: „Innenraumschadstoffe“. 18. Fortbildungskongress „Fortschritte in der Allergologie, Immunologie und Dermatologie“ der Deutschen, Schweizerischen und Österreichischen Gesellschaft für Allergie und klinische Immunologie (DGAI), **Davos, Schweiz, 4-7 September 2002.**
16. Buters JTM: „Toxikologische Anwendung von Cytochrom P450 Knockout-Mäusen“, Gemeinsame Herbsttagung Gesellschaft für Biochemie und Molekularbiologie und Deutsche Gesellschaft für Toxikologie und Pharmakologie, **Halle, 7-10 September 2002.**
17. Buters JTM: „Die Rolle von Cytochrome P450 1B1 in der chemischen Kanzerogenese“, Berufsgenossenschaft für Arbeit, **Bochum 2002.**
18. Buters JTM: „The Role of Xenobiotic Metabolism in the Etiology of IgE Mediated Allergic Diseases“, International Symposium on Molecular Toxicology and Environmental Health, **Lucknow, Indien, 5-8 November, 2003.**
19. Buters JTM: „The Major Birch Allergen Bet v 1 Content of Pollen from 80 Birch Trees in 2 Regions of Germany in Two Successive Years“, Allergopharma AG, **Reinbeck 2003.**
20. Buters, JTM: „Xenobiotic Metabolism and Allergy“, Fortbildungsveranstaltung der Münchner-Allergie-Gesellschaft, December 3, **München 2003.**
21. Buters JTM: „CYP-IRES-Green, ein Vektor basiertes bicistronisches Cytochrom P450 Expressionssystem für schnelle Expression in Zelllinien und dessen Anwendung in der Bestimmung adjuvanter Effekte von Phenanthrene in der IgE-abhängige Immunantwort“, Deutsche Gesellschaft für Pharmakologie und Toxikologie, März 9-11, **Mainz, 2004.**
22. Buters JTM: „Role of xenobiotic metabolism in allergic diseases“, 4th symposium on environmental allergy and allergotoxikology: Enhancers and protectors in Allergy. Dezember 10-11, **München, 2004.**
23. Buters JTM: „Xenobiotic metabolism of PAHs: Role in adjuvant activity for allergic disease“, World Allergy Conference (WAC), **München, 2005**
24. Buters JTM: „The role of cytochrome P450 in toxicity, carcinogenesis and aggravation of allergic reactions“, Universität Würzburg, **Würzburg, 2005.**
25. Buters JTM: „Keine Pollen in der Luft - trotzdem allergische Reaktionen?“ Fortbildungsveranstaltung der Dermatologischen Klinik, TU München, **München, 2006.**
26. Buters JTM: „Allergen concentrations in outdoor air: Regional and year-to-year variations“. 5th Intl. Symposium on Environmental Allergy and Allergotoxicology, München-Neuherberg, Dezember 8-9, **2006.**
27. Buters JTM: „Toxicity of motor vehicle indoor air“, Frühjahrstagung Deutsche Gesellschaft of Pharmacology und Toxicology, **Mainz, 2007.**
28. Buters JTM: „Comparison between ambient Bet v 1 concentrations and birch pollen counts“, European academy of Allergology and Clinical Immunology EAACI, **Göteborg, 2007.**
29. Buters JTM: „Allergen exposure measurements in ambient air“, Deutscher Allergie-Kongress, **Lübeck, 2007.**

30. Buters JTM: "Comparison between ambient concentrations of the major birch pollen allergen Bet v 1 and birch pollen count", European Aerosol Conference, Salzburg, **Austria, 2007.**
31. Buters JTM: " Partikel in der Umgebungsluft: Herkunft, chemische Zusammensetzung, Gesundheitsbeeinträchtigung und Möglichkeiten der Vermeidung", Universitätsklinikum **Schleswig-Holstein, 2007**
32. Buters JTM:"Correlation between ambient birch pollen counts and Bet v 1 allergen measurements", **Barcelona, 2007.**
33. Buters JTM: „Ambient Concentrations of the Major Birch Allergen Bet v 1 and Birch Pollen Count in 2004 till 2007“, European Aerosol Conference, Thessaloniki, **Greece, 2008.**
34. Buters JTM:"Environmental pollution and human allergies", Int. Conference on translational pharmacology, December 18-20, Dehli, **India, 2008.**
35. Buters JTM: „ Allergens in ambient air“, Industrial Toxicology Research Center, December 15th, Lucknow, **India, 2008.**
36. Buters JTM:"Ambient Concentrations of the Major Birch Allergen Bet v 1 and Birch Pollen Count.: The EU-HIALINE Project", Allergopharma KG, **Reinbek, Germany, 2008.**
37. Buters JTM: "The EU-HIALINE Project: Health Impacts of Airborne Allergens Information Network", 6th Int Symposium on Environmental Allergy and Allergotoxicology, **Munich, 2009.**
38. Buters JTM: „Concentration of the major birch pollen allergen Bet v 1 in different fractions of ambient air deviates from pollen counts in Munich“, Germany. 21. Mainzer Allergie-Workshop, DGAKI, 19.-20. March, **Mainz, 2009.**
39. Buters JTM: „Umwelteinflüsse und Allergenität der Pollen“, 50. Kongress der Deutschen Gesellschaft für Pneumologie und Beatmungsmedizin, 18.-21. March, **Mannheim, 2009.**
40. Buters JTM:" Allergen measurements in ambient air: the european Union-HIALINE project", Institut for clinical pharmacology, Inselspital Berne, March 26., Berne, **Switzerland, 2009.**
41. Buters JTM:" Pollen und allergene: nicht das Gleiche?", Jubiläumsveranstaltung of the „Schweizer Gesellschaft für Aerobiologie“, Berne, Switzerland, 12. November **2009, Switzerland.**
42. Buters JTM: „ Allergene in der Umluft“, Universität Trier, **Trier, Mai 2009.**
43. Buters JTM: "The EU-project HIALINE: Pollen and Allergens in Ambient air", Dermatologische Gesellschaft München, **München, 2009.**
44. Buters JTM: „Toxic and inflammatory effects of particulate matter PM₁₀ sampled during teaching hours in elementary school classrooms“, 46th Congress of the European Societies of Toxicology, September 17, **Dresden, 2009.**
45. Buters JTM: "Interactions of pollen, allergens and conventional air pollutants", Bayerische Akademie der Wissenschaften, **Munich, 2009.**
46. Buters JTM:" First results from the EU-HIALINE project", Finnisch Meteorologic Institute, COST0603, Helsinki, January **2010., Finland**
47. Buters JTM: "Allergens in ambient air in Europe", HIALINE-meeting **Lyon, February 2010.**

48. Buters JTM: "Allergens in ambient air: The new EU-HIALINE project". Deutsche Gesellschaft für Allergie und klinische Immunology, Mainzer Allergieworkshop, Mainz, March **2010**.
49. Buters JTM and Effner R: "Xenobiotica metabolizing enzymes in effector cells of the immune system". Deutsche Gesellschaft für Toxikologie, DGPT Frühjahrstagung, Mainz, Germany, March **2010**.
50. Buters JTM: "Ambient concentrations of the major birch, grass and olive allergen Bet v 1, Phleum p 5 and Ole e 1 and pollen counts in Europe: The new EU-HIALINE project". 7th Symposium on Biometeorology, Freiburg, Germany, March **2010**.
51. Buters JTM: "The HIALINE project: allergen release from pollen across 10 European countries". European Academie of Allergy and Clinical Immunology (EAACI), **London**, June **2010**.
52. Buters JTM: "Free allergens in the outdoor air", New trends in Allergy, & 6th Georg Rajka Symposium, Munich, Germany, July 2010.
53. Buters JTM: "EU-HIALINE Project - Allergen measurement across Europe", 4th International Symposium on Molecular Allergology, ISMA, , Munich, Germany, October **2010**.
54. Buters JTM: "Neues von der Klimabörse: Hochkonjunktur für Allergien", Deutscher Lungentag, Erding, Germany, October **2010**.
55. Buters JTM: Health effects of indoor allergens, molds and endotoxin: theory and practice, Charlottesville, April 18-20, **2011, USA**
56. Buters JTM and the HIALINE working group: „Detection of outdoor allergens“, 30th EAACI congress, 11-15 June, Istanbul, **Turkey, 2011**.
57. Buters JTM and the HIALINE working group: „Allergens in ambient air“, 6th European Aerosol Conferenceress, 4-9 Sept., Manchester, **UK, 2011**.
58. Buters JTM and the HIALINE working group. Moving from pollen to allergen count, EAACI Workshop Epidemiological evidence on the links between aerotoxicants and allergic diseases, **Berlin, October 12th, 2011**
59. Buters JTM. Automated pollen counting. Different techniques. COST ES0603, **Berlin, 13th October 2011**
60. Buters JTM. Outdoor sampling. EAACI Taskforce MOCEA, Zurich, December 12th **2011, Switzerland**.
61. Buters JTM. Pollen and Allergen Measurements in Ambient Air. Deutscher Pneumologie Kongress, Nürnberg, 29 March-1 April, **2012**.
62. Buters JTM. Ist Pollenbelastung gleich Allergenbelastung? Fortbildungsveranstaltung der Münchner Allergie-Gesellschaft, 13 June **2012**.
63. Buters JTM. Airborne allergen concentrations and their link to pollen counts. EAACI conference, Geneva 16-20 June **2012, Switzerland**
64. Buters JTM. Aerobiologie und Umweltmonitoring. 7. Deutscher Allergiekongress, München, 11-13. Oktober **2012**.
65. Buters JTM. Modelieren Umwelteinflüsse die Pollen und Allergenbelastung? Norddeutsche Arbeitsgemeinschaft Pädiatrische Pneumologie und Allergologie (NAPPA), Osnabrück, 24 November **2012**.
66. Buters JTM. Toxische Wirkung von Partikeln aus Innenräumen und Außenluft. , Umwelttoxikologische Kolloquium des Landesgesundheitsamtes **Baden-Württemberg**, 14 November **2012**.

67. Buters JTM. Effects of emissions from shipping on human health. NABU conference "clean air in ports", **Hamburg**, February 18th, **2013**
68. Buters JTM, Effects of elementary school indoor/outdoor PM10 on gene regulation and blood coagulation. EU-Project "HITEA", Workshop **Barcelona**, Spain, 14-15 February **2013**
69. Buters JTM. Grass pollen count and grass group 5 allergen release across eleven European countries: results from HIALINE and CK-CARE, European Academie of Allergy and Clinical Immunology (EAACI), Milan, **Italy**, 22-27 June **2013**
70. Buters JTM. Quantifying environmental exposure, European Academie of Allergy and Clinical Immunology (EAACI), Milan, **Italy** 22-26. June **2013**
71. Buters JTM. Up in the Air. Pollen allergen exposures across Europe: what is real? British Society Allergy Clinical Immunology BSACI, Telford, **UK**, July **2013**
72. Buters JTM. Pollen, Allergene und der Rest: das biologische Exposome. Deutscher Allergiekongress, **Bochum**, Germany, 5-7 September **2013**.
73. Buters JTM. Effects of emissions from shipping on human health, NABU Symposium : "Clean Air in Ports", **Antwerpen**, 8 October **2013**
74. Buters JTM. Werden Pollen „aggressiver“? Mythen und Fakten. Allergie-Symposium, Regionalgruppe Köln und Bonn des Ärzteverbandes Deutscher Allergologen, Cologne, Germany, 9. Oktober **2013**
75. Buters JTM. Future of Pollen Counting. 9th European Pollen Symposium, **Berlin**, 11-12 October **2013**.
76. Buters JTM. Pollen across Europe. Deutsche Gesellschaft für Pneumologie, **Hannover 2014**
77. Buters JTM. Effects of emissions from shipping and human health, NABU conference, Copenhagen, **Danish Parliament, Denmark**, 4th June **2014**
78. Buters JTM. Pollen, carriers of allergens and more. European Academy of Allergy and Clinical Immunology (EAACI), **Copenhagen** 7-11 June **2014**
79. Buters JTM. The Quest" for a hypo-allergenic cat. 10th Int. Conference Aerobiology, Sydney, **Australia 2014**
80. Buters JTM. Pollen, allergens and more. 10th Int. Conference Aerobiology, Sydney, **Australia 2014**
81. Buters JTM. Allergy relevant pollen: natural variability in allergen release from birch, grass and olive pollen across EuropePhytotron Research- Analysis of plants in controlled environments, **Neuherberg**, 29-31 October **2014**
82. Buters JTM. Umweltmedizin. 48^e HNO Pneumologie Kongress, **Mannheim**, 29-31 October **2014**
83. Buters JTM and Öder S. Schimmelpilze – wie bedeutsam sind sie als Allergen, Deutsche Gesellschaft für Allergologie und Klinische Immunologie (DGAKI), **Wiesbaden** 2-4 October **2014**
84. Buters JTM and Öder S. Allergen und Co. in der Außenluft, Deutsche Gesellschaft für Allergologie und Klinische Immunologie (DGAKI), **Wiesbaden** 2-4 October **2014**
85. Buters JTM. Ein Update: Allergenmonitoring von Aeroallergen. Klinische Update und neue Entwicklungen in der Allergologie, **Munich**, 22 November **2014**
86. Buters JTM. Health effects of air pollution in port cities. Final conference EU-project „Clean Air in Ports“, NABU Hamburg, 1 Juni **2015**

87. Buters JTM. What we know, where we are going, what the EU should do? Eu-Parliament, **Brussels, Belgium, 2015**
88. Buters JTM. Impact of environmental pollution on allergic responses. HICE workshop on wood combustion, **Cardiff, UK, 2015**
89. Buters JTM. Environmental measurement of major allergens as proxy for pollen exposure. ISMA 2015, **November 19-21th, Lissabon, Portugal 2015**
90. Buters JTM. Automatic pollen counting using image recognition. EAACI conference, **Vienna 2016**
91. Buters JTM. Pollen und Co in der Umluft. Universität Marburg, 14 September **2016**
92. Buters JTM. ePIN, das neue Pollenmonitoring für Bayern, HNO Symposium Klinikum rechts der Isar, München 12 november **2016**
93. Buters JTM. ePIN: electronic Pollen Information Network. Building a fully automated pollen monitoring network in Bavaria, Germany. European Aerobiology Society ESA conference **Lyon, France 18-22 June 2016**
94. Buters JTM. Pollenexposition: Was ist in Städten relevant? Deutscher Allergie Kongress DAK, **Berlin 29 September-1 October 2016**
95. Buters JTM. Environmental measurement of major allergens as proxy for pollen exposure. Rencontres Francophone en allergologie moleculaire RFAM. **Paris 26-27 November 2016.**
96. Buters JTM. The current nitrogen oxide levels are not safe. Symposium "Dieselgate", European Academy Allergy Clin Immunol (EAACI) conference, Munich, 26th June **2018**
97. Buters JTM. Climate change and the allergic patient, European Academy Allergy Clin Immunol (EAACI) conference, **Munich, 26th June 2018**
98. Buters JTM. Bacteria on pollen show a potentiating effect on allergic sensitization, 11th Int Conference Aerobiology ICA **2018, Parma, Italy**
99. Buters JTM. Pollen become aggressive by the microbiome they carry: the story of Davos and Munich, Swiss Aerobiological Society **2018, Interlaken, Switzerland**

Organization of conferences:

1. Organizing committee, EAACI, European Association Allergy Clinical Immunol, Annual Meeting Munich 26-30 Mai **2018** (7,500 participants).
2. Chair EAACI Aerobiology workshop, Dubrovnik, July 13-16, **2018** (60 participants).
3. 1st Int. Workshop on HIALINE, Reinbek, Germany. 20 Participants from across Europe, March 2-5, **2009**.
4. 2nd Int. Workshop on HIALINE, Lyon, France. 24 Participants from USA and Europe, February 24-25, **2010**.
5. 3rd Int. Workshop on HIALINE, Florence, Italy. 26 Participants from across and Europe, February 23-24, **2011**.
6. Final conference on HIALINE, München, Germany. 26 Participants from across and Europe, February 29-March 1, **2012**.

7. 1st Int Workshop „Allergies in a changing environment in Europe“, EU-parliament building, Brussels 21th March **2012**.