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Articles in scientific and peer-reviewed publications with Biogents scientists as authors or co-authors

(Resolve a DOI name at <http://dx.DOI.org/>)

1. Obermayr U., Rose A. & Geier M. (2010) A novel test cage with an air ventilation system as an alternative to conventional cages for the efficacy testing of mosquito repellents. *Journal of Medical Entomology* 47(6): 1116-1122.
DOI: 10.1603/ME10093
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DOI: 10.1016/j.envsoft.2010.04.021
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4. Drapeau J., Fröhler C., Touraud D., Kröckel U., Geier M., Rose A. & Kunz W. (2009) Repellent studies with *Aedes aegypti* and human olfactory tests on 19 essential oils from Corsica, France. *Flavour and Fragrance Journal* 24: 160-169.
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7. Williams C.R., Long S.A., Webb C.E., Bitzhenner M., Geier M., Russel R.C. & Ritchie S.A. (2007) *Aedes aegypti* population sampling using BG-Sentinel traps in north Queensland, Australia: statistical considerations for trap deployment and sampling strategy. *Journal of Medical Entomology* 44(2): 345-350.
DOI: 10.1603/0022-2585(2007)44[345:AAPSUB]2.0.CO;2
8. Naucke T.J, Kröpke R., Benner G., Schulz J., Wittern K.P., Rose A., Kröckel U. & Grünewald H.W. (2007) Field evaluation of the efficacy of proprietary repellent formulations with IR3535® and Picaridin against *Aedes aegypti*. *Parasitology Research* 101: 169-177.
DOI: 10.1007/s00436-006-0450-2
9. Williams C.R., Bergbauer R., Geier M., Kline D.L., Bernier U.R., Russell R.C. & Ritchie S.A. (2006) Laboratory and field assessment of some kairomone blends for host seeking *Aedes aegypti*. *Journal of the American Mosquito Control Association* 22(4): 641-647.
DOI: 10.2987/8756-971X(2006)22[641:LAFSAOS]2.0.CO;2
10. Williams C.R., Ritchie S.A., Russel R.C., Eiras Á.E., Kline D.L. & Geier M. (2006) Geographic variation in attraction to human odor compounds by *Aedes aegypti* mosquitoes (Diptera : Culicidae): A laboratory study. *Journal of Chemical Ecology* 32(8): 1625-1634.
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11. Kröckel U., Rose A., Eiras Á.E. & Geier M. (2006) New tools for surveillance of adult yellow fever mosquitoes: Comparison of trap catches with human

landing rates in an urban environment. *Journal of the American Mosquito Control Association* 22: 229-238.

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DOI: 10.1242/jeb.01736
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20. Geier M. and Boeckh J. (1999) A new Y-tube olfactometer for mosquitoes to measure the attractiveness of host odours. *Entomologia experimentalis et applicata* 92: 9-19.
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21. Geier M., Bosch J.O. & Boeckh J. (1999) Influence of odour plume structure on upwind flight of mosquitoes towards hosts. *Journal of Experimental Biology* 202: 1639-1648.
22. Geier M., Bosch J.O. & Boeckh J. (1999) Ammonia as an attractive component of host odour for the yellow fever mosquito, *Aedes aegypti*. *Chemical Senses* 24: 647-653.
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24. Geier M., Sass H. and Boeckh J. (1996): A search for components in human body odour that attract females of *Aedes aegypti*. In: Cardew, G. and Goode, J. (ed.): *Mosquito olfaction and olfactory-mediated mosquito-host interactions*. Ciba Foundation Symposium. New York: John Wiley & Sons Ltd. 132-148.
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Book chapters and other articles with Biogents scientists as authors or co-authors

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ISBN 978-953-7247-15-7
2. Eiras Á.E., Geier M., Rose A. & Jones O. (2010) Practical application of olfactory cues for monitoring and control of *Aedes aegypti* in Brazil: a case study. In: Takken W. & Knols B.G.J (eds.) *Olfaction in vector-host interactions*. Wageningen Academic Publishers. 365-299. ISBN: 978-90-8686-091-3
3. Rose A. & Kröckel U. (2010) Prävention vektorieell übertragener Infektionen. (*Prevention of vector-borne diseases.*) In: Rieke B., Küpper Th. & Muth C.-M. (eds.) *Moderne Reisemedizin. (Modern Travel Medicine.)* Genter Verlag, Stuttgart. 326-337. ISBN: 978-3-87247-708-8
4. Geier M., Rose A., Gunewald J. & Jones O. (2006) New mosquito traps improve the monitoring of disease vectors. *International Pest Control* 48: 124-126.
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10. Geier M. (2000) Olfaktorische Wirtsfindung bei Stechmücken. *Journal Flug- und Reisemedizin* 3: 16-20.

Presentations at scientific congresses and meetings with Biogents scientists as authors or co-authors

1. Rose A., Geier M., Obermayr U., Huang D.L., Eckelt R., Kant M. & Köckritz A. (2011) On the attractiveness of the products of the catalytic combustion of ethanol to mosquitoes (Diptera: Culicidae). 6th European Mosquito Control Association Workshop, Budapest, Hungary. (Oral Presentaion)
2. Thomas S., Obermayr U., Fischer D., Geier M., Rose A. & Beierhuhnlein C. (2011) Freezing the tiger: Cold tolerance of *Aedes albopictus* eggs. 6th European Mosquito Control Association Workshop, Budapest, Hungary. (Oral Presentaion)
3. E. Favotti E., Guidobaldi F., Jordan V., Campos Soldini M.P., Grancelli L., Vittar F., Martínez-Borda G., Burroni N., Rose A. & P. Guerenstein P. (2010) Evaluation of a new variant of the BG-Sentinel mosquito trap to monitor disease-vector mosquitoes. 1st Latin American Meeting of Chemical Ecology – ALAEQ, Colonia, Uruguay (Poster)

4. Rose A., Englbrecht Ch., Venturelli C., Geier M., Colga N., Müller K. Torracca, B. & Macchioni F. (2010) Sampling the Asian tiger mosquito, *Aedes albopictus*: the BG-Sentinel trap is an interesting alternative to the human landing collection. 17th European SOVE Conference, Wroclaw, Poland. (Poster)
5. Rose A., Englbrecht Ch., Venturelli C., Geier M., Colga N., Müller K. Torracca, B. & Macchioni F. (2010) Can the Asian tiger mosquito, *Aedes albopictus*, be controlled with traps? Results from the evaluation of the BG-Sentinel trap in two Italian cities, Cesena and Montecatini Terme. 17th European SOVE Conference, Wroclaw, Poland. (Oral Presentation)
6. Obermayr U., Rose A., Geier M., Gordon S. & Bernier U. (2010) Is mosquito host attraction or repellent performance affected by different blood alcohol levels? Laboratory attraction and repellency studies on *Aedes aegypti* (L.) in Y-Tube Olfactometers and BG-Cages. 17th European SOVE Conference, Wroclaw, Poland. (Poster)
7. Macchioni F., Torracca B., Magi M., Colga N. Müller K. & Rose A. (2010) Field study on different anti-mosquito treatment methods against *Aedes albopictus* in the urban environment of Montecatini Terme (Italy). XXVI Congresso Nazionale della Società Italiana di Parassitologia, Perugia, Italy. In: *Parassitologia* 52: 223. (Oral Presentation)
8. Rose A., Englbrecht Ch., Venturelli C., Geier M., Colga N., Müller K. Torracca B. & Macchioni F. (2010) Comparison of sampling methods for the adult Asian tiger mosquito, *Aedes albopictus*. International Conference EDEN / Emerging Vectorborne Diseases in a Changing European Environment, Le Corum, Montpellier, France. (Poster)
9. Kröckel, U., Geier M. & Rose A. (2009) A new type of test cage as an alternative to conventional cages for the efficiency testing of mosquito repellents. 5th International Congress of Vector Ecology, Belek, Antalya, Turkey. (Oral Presentation)

10. Engelbrecht Ch., Geier M. & Venturelli C.. (2009) Continuous trapping of adult Asian tiger mosquitoes (*Aedes albopictus*) with BG-Sentinel traps reduced the human landing rate and density indices in an urban environment in Cesena, Italy. 5th European Mosquito Control Association Workshop, Turin, Italy. (Oral Presentation)
11. Weiß R., Molnar Th., Hörbrand Th., Geier M. & Rose A. (2009) Remarks on the mosquito fauna of different biotopes in the Regensburg area (Bavaria, Germany): an assessment using two adult trap types, human landing collection, and larval sampling. 5th European Mosquito Control Association Workshop, Turin, Italy. (Poster)
12. Kröckel U. & Rose A. (2009) Improved Type of Test Cages as an Alternative to conventional EPA-Cages for the Efficiency Testing of Mosquito Repellents. 5th European Mosquito Control Association Workshop, Turin, Italy. (Poster)
13. Rose A., Geier M., Eiras Á.E., da Gloria Teixeira M., das Gracias Vale Barbosa M. & Gomes Mourao M.P. (2008) Novel mosquito traps in the fight against urban dengue – from monitoring to control. Introduction to a feasibility study in Manaus, Brazil. XXIII International Congress of Entomology, Durban, South Africa. (Poster)
14. Kröckel U. (2008) Wie testet man eigentlich Repellentien? (Test methods for the evaluation of insect repellents). 11th Yearly Conference of the German Professional Association for Travel Medicine (*11. Jahrestagung des Deutschen Fachverbandes Reisemedizin e.V.*), Stuttgart, Germany. (Oral Presentation)
15. Rose A. (2008) The assessment of transmission risk for mosquito-borne diseases: what can we learn for Chikungunya? European Mosquito Control Association Symposium on Chikungunya Risk in Europa – From Nuisance Mosquito Control to Vector Control, Alessandria, Italy. (Oral Presentation)

16. Rose A., Siegers, M., Eiras Á.E. & Geier M. (2007) Mosquito traps in the fight against urban dengue – from monitoring to control. 4th European Mosquito Control Association Workshop, Prague, Czech Republic. (Oral Presentation)
17. Kröckel U. and Rose A. (2007) Efficacy testing of repellents against mosquitoes and other blood-sucking arthropods. 4th European Mosquito Control Association Workshop, Prague, Czech Republic. (Poster)
18. Drapeau J., Geier M, Rose A., Touraud D. & Kunz W (2007) Formulation and production of host odours and products to attract and repel mosquitoes. 5th Conference on formulation technology – Formula V, Potsdam, Germany. (Poster)
19. Geier M., Kröckel U., Eiras Á.E., Williams C.W., Ritchie S.A. & Rose A. (2005) Human landing rates and trap catches: How representative is a mosquito trap? 4th International Congress of Vector Ecology, Reno, NV, USA. (Oral Presentation)
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21. Geier M., Rose A., Eiras Á.E. (2004) A new lure for host-seeking anthropophilic mosquitoes and a novel type of a simple, non-CO₂ mosquito trap. 21st Annual Conference of The German Society for Parasitology (*Deutsche Gesellschaft für Parasitologie*), Würzburg, Germany. (Oral Presentaion)
22. Eiras Á.E., Rose A., Geier, M. (2004) New tools for monitoring gravid females of the mosquitoes *Aedes aegypti* and *Aedes albopictus* (Diptera: Culicidae), vectors of Dengue and other arboviral diseases. 21st Annual Conference of The German Society for Parasitology (*Deutsche Gesellschaft für Parasitologie*), Würzburg, Germany. (Oral Presentaion)

23. Rose A., Eiras Á.E., Geier M. (2004) New Attractants for host-finding mosquitoes & innovative designs for novel non-CO₂ traps, 70th Annual Meeting of the American Mosquito Control Association Meeting, Savannah, USA. (Oral Presentation)
24. Eiras Á.E., Silva I., Rose A. (2004) MosquiTRAP & Atr.Aedes: New tools for monitoring gravid females of *Ae. aegypti* & *Ae. albopictus*, 70th Annual Meeting of the American Mosquito Control Association Meeting, Savannah, USA. (Oral Presentation)
25. Eiras Á.E., Silva I.M., Roque R.A., Matosinhos I.M. & Geier M. (2004) Behavioural responses of gravid *Aedes aegypti* (Diptera: Culicidae) to synthetic oviposition attractants identified from grass infusions volatiles. XXII International Congress of Entomology, Brisbane, Australia. (Oral Presentation)
26. Geier M., Rose, A. & Eiras, A.E. (2004) Attractive host odours for mosquitoes: the blend ratio makes the difference. XXII International Congress of Entomology, Brisbane, Australia. (Oral Presentation)
27. Geier M., Rose A., Baptista C., Richie S.A., Kröckel U. & Eiras Á.E. (2004) Specific monitoring tools for anthropophilic mosquitoes. XXII International Congress of Entomology, Brisbane, Australia. (Oral Presentation)
28. Eiras Á.E., Silva I.M., Costa C.F., Antonacci R.G., Rose A., Geier M. (2004) Monitoring the mosquito *Aedes aegypti*: A novel surveillance method and new entomological indices using the gravid trap MosquiTRAP and a synthetic oviposition attractant AtrAedes). XXII International Congress of Entomology, Brisbane, Australia. (Oral Presentation)
29. Geier M., Bosch O., Steib, B., Rose A.M. & Boeckh J. (2002) Odour-Guided Host Finding of Mosquitoes: Identification of New Attractants on Human Skin. 4th International Conference on Urban pests. (Oral Presentation)
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32. Geier M., Franz H., Rose A.M. & Boeckh J. (2000) How the fine-scale plume structure of host-odours affect the flight behaviour of mosquitoes. XXI International Congress of Entomology, Foz do Iguassu, Brazil. (Oral Presentation)
33. Bosch J.O., Geier M. & Boeckh J. (2000) Attraction of *Aedes aegypti* to identified compounds on human skin. XXI International Congress of Entomology, Foz do Iguassu, Brazil. (Poster)
34. Dekker T., Geier M., Steib B.M. & Cardè R.T. (2000) L-Lactic acid is an important host stimulus for the anthropophilic *Anopheles gambiae* s.s. XXI International Congress of Entomology, Foz do Iguassu, Brazil. (Oral Presentation)
35. Steib B.M., Geier M. & Boeckh J. (1999) Why do mosquitoes prefer certain human individuals. 92te Jahresversammlung der Deutschen Zoologischen Gesellschaft, Innsbruck, Austria.
36. Geier M., Bosch J.O. & Boeckh J. (1999) Effects of plume structure on upwind flights of mosquitoes towards host odours. European Symposium on Insect Taste and Olfaction VI, Tutzing, Germany. (Oral Presentation)
37. Bosch J.O., Geier M. & Boeckh J. (1999) Identified volatiles emitted from human skin attract female *Aedes aegypti*. European Symposium on Insect Taste and Olfaction VI, Tutzing, Germany. (Oral Presentation)
38. Steib B.M., Geier M. & Boeckh J. (1999) What makes us attractive to yellow fever mosquitoes - The effect of lactic acid on host selection of *Aedes aegypti*. European Symposium on Insect Taste and Olfaction VI Tutzing, Germany. (Oral Presentation)

39. Geier M., Bosch O.J. & Boeckh J. (1998): Olfactory host finding of yellow fever mosquitoes: Exploring the attractive odor blend and effect of odor plume structure on upwind flights. XX Annual meeting of the Association for Chemoreception Sciences. (Oral Presentation)
40. Geier M., Bosch O.J. and Boeckh J. (1998): The influence of odour plume structure on the upwind flight of female *Aedes aegypti* (Diptera: Culicidae). XIIIth Congress of ECRO, Sienna, Spain. (Poster)
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42. Rose A.M. (1998) The effect of host stimuli on the host finding behaviour of the bloodsucking bug *Triatoma infestans* (Hemiptera: Reduviidae), under quasi-natural conditions. VIth European Congress of Entomology. České Budejovice, Czech Republic. (Oral Presentation)
43. Geier M., Sass H. & Boeckh J. (1996): Olfactory host finding of yellow fever mosquitoes *Aedes aegypti* (Diptera: Culicidae): Synergetic effect of different host odour components. XX International Congress of Entomology, Florence, Italy. (Oral Presentation)
44. Rose A.M. & Boeckh J. (1996) Host-finding of the bloodsucking bug *Triatoma infestans* (Hemiptera: Reduviidae), a vector of Chagas' disease: an olfactometer study. XX International Congress of Entomology. Florence, Italy. (Poster)
45. Rose A.M. & Boeckh J. (1996) Host-finding of the bloodsucking bug *Triatoma infestans* (Hemiptera: Reduviidae), a vector of Chagas' disease: Observations under conditions resembling the natural environment. 2nd International Conference on Insect Pests in the Urban Environment, Edinburgh, Scotland. (Poster)

46. Geier M. (1996): Olfactory cues in host finding of mosquitoes. 17. Jahrestagung der Deutschen Gesellschaft für Parasitologie. (Poster)
47. Geier M. (1995): The role of lactic acid in olfactory host finding of the mosquito *Aedes aegypti*. European Symposium on Insect Taste and Olfaction IV. (Poster)
48. Geier M. (1993): Olfactory host finding of mosquitoes *Aedes aegypti*: a search for key stimuli. European Symposium on Insect Taste and Olfaction III. (Poster)
49. Geier M. (1991): Receptors for host odours and repellents on the antenna of the mosquito *Aedes aegypti*. European Symposium on Insect Taste and Olfaction II. (Poster)