

# Publication List: Marianne Huebner

## Submitted

1. HA Arshad, SL Ewart, E Schauburger, M Huebner, W Karmaus, K Friderici, JW Holloway, MJ Rose-Zerilli, SJ Barton, ST Holgate, JR Kilpatrick, JB Harley, S Lajoie-Kadoch, I Harley, QA Hamid, RJ Kurukulaaratchy, and M Wills-Karp (2008). The identification of *ATPAF1* and *KIAA0494* as novel candidate genes for asthma in children. Submitted to *Nature*.  
HA, SE, ES, and MH contributed equally.
2. G Kang, W Yue, J Zhang, M Huebner, H Zhang, Y Ruan, T Lu, Y Ling, Y Zuo, D Zhang (2007). Two-stage designs to explore the effects of multiple loci on complex diseases. Submitted to *Journal of Human Genetics*.
3. IU Ogbuano, W Karmaus, S Ewart, M Huebner, SH Arshad (2007). Polymorphisms for the *GATA3* gene are associated with immune markers after controlling for *IL13*. Submitted to *J Allergy and Clinical Immunology*.
4. A Weber, M Huebner, D-Y Kim, W Swindell (2006). Clusters of transporter genes with regard to developmental series in *Arabidopsis Thaliana*. Submitted to the protein database <http://aramemnon.botanik.uni-koeln.de/>.
5. WR Swindell, M Huebner, A Weber (2007). Environmental stress and senescence in plants: insights from *Arabidopsis* microarray data. Submitted to *Cell Stress and Chaperone*.

## Refereed Journals

1. SH Arshad, W Karmaus, R Kurukulaaratchy, A Sadeghnejad, M Huebner, S Ewart (2008). Polymorphisms in *GATA3* and *Interleukin-13* genes and the development of eczema during childhood. *British Journal of Dermatology*. Available Online January.
2. A Sadeghnejad, W Karmaus, SH Arshad, A Matthews, M Huebner, S Ewart (2008). The effect of maternal smoking during pregnancy on wheeze in offspring is modified by *IL13* gene polymorphism. *Respiratory Research* 9:2.
3. M Huebner, DY Kim, S Ewart, W Karmaus, A Sadeghnejad, SH Arshad (2008). Association of Interactions between *GATA3* and *IL13* Gene Polymorphisms with Rhinitis in the Isle of Wight Birth Cohort. *J Allergy and Clinical Immunology* 121(2):408-14.
4. M Heidari, M Huebner, RF Silva, D Kirev (2008). Transcriptional profiling of Marek's disease virus genes during cytolytic and latency infection. *Virus Genes*. Available Online Feb 12.
5. HE Hallen, M Huebner, S Shiu, U Gueldener, F Trail (2007). Genes encoding ion transport proteins in *Gibberella zeae* (anamorph *Fusarium graminearum*): differential expression during a developmental time course. *Fungal Genetics and Biology* 44(11):1146-56.

6. WR Swindell, M Huebner, A Weber (2007). Transcriptional Profiling of *Arabidopsis* heat shock proteins reveals overlap between heat and non-heat stress response pathways. *BMC Genomics* 8:125.
7. WR Swindell, M Huebner, A Weber (2007). Plastic and adaptive gene expression patterns associated with temperature stress in *Arabidopsis Thaliana*. *Journal of Heredity* 2: 143-50.
8. JM Olson, G Alagarswamy, J Andresen, DJ Campbell, J Ge, M Huebner, B Lofgren, DP Lusch, N Moore, BC Pijanowski, J Qi, N Torbick N, J Wang (2007). Integrating Diverse Methods to Understand Climate-Land Interactions at Multiple Spatial and Temporal Scale. *GeoForum* In press. Available online 15 June 2007.
9. RA Ramadas, A Sadeghnejad, W Karmaus, SH Arshad, S Matthews, M Huebner, D-Y Kim, and SL Ewart (2006). *IL-1R* antagonist gene and prenatal smoke exposure are associated with childhood asthma. *European Respiratory Journal* 3:502-8. (Selected for Press Release).
10. S Hall, A Tessier, M Duffy, M Huebner, C Caceres (2006). Warmer does not have to mean sicker: temperature and predators can jointly drive timing of epidemics. *Ecology* 87(7), 1684-1695.
11. M Duffy, S Hall, A Tessier, M Huebner (2004). Selective predators and their parasitized prey: top-down control of epidemics. *Limnology and Oceanography* 50(2), 412-420
12. JC Gardiner, M Huebner, J Jetton, CJ Bradley (2001). On parametric confidence intervals for the cost-effectiveness ratio. *Biometrical Journal* **43**: 283-296.
13. JC Gardiner, CJ Bradley, M Huebner (2000) The cost-effectiveness ratio in the analysis of health care programs In: Rao and Sen [eds] *Handbook in Statistics* **18**: 841-861.
14. JC Gardiner, M Huebner, J Jetton, CJ Bradley (2000). Power and sample size assessments for tests of hypotheses on cost effectiveness ratios. *Health Economics* **9**: 227-234.
15. M Huebner, S Lototsky (2000). Asymptotic analysis of a kernel estimator for a class of stochastic parabolic equations with time-dependent coefficients. *Annals of Applied Probability* **10**: 1-13.
16. M Huebner, S Lototsky (2000). Asymptotic analysis of a sieve estimator for a class of parabolic equations with time-dependent coefficients. *Scandinavian Journal of Statistics* **27**: 353-370.
17. M Huebner (1999). Asymptotic properties of the maximum likelihood estimator for stochastic PDEs disturbed by small noise. *Statistical Inference for Stochastic Processes* **2**: 57-68.
18. M Huebner (1997). A characterization of asymptotic behavior of maximum likelihood estimators for stochastic PDE's, *Mathematical Methods in Statistics*, **6**: 395-415.

19. M Huebner, S Lototsky, B Rozovskii (1997). Asymptotic properties of an approximate maximum likelihood estimator for stochastic PDE's, Festschrift for R. Liptser, *Proceedings of the Steklov Mathematical Institute Seminar*, World Scientific, 139-155.
20. M Huebner, B Rozovskii (1995). On asymptotic properties of maximum likelihood estimators for parabolic stochastic PDEs, *Probability Theory and Related Fields* **103**: 143-163.
21. M Huebner, R Khasminkskii, B Rozovskii (1993). Two examples of parameter estimation for stochastic partial differential equations in: *Cambanis, Ghosh, Karandikar, Sen [ed.], Stochastic Processes, Festschrift for G. Kallianpur*, Springer, 149-160.

## Other Publications

1. M Huebner, N Moore (2006). Experimental design issues for land use and climate modeling. Preprint.
2. M Huebner, L Kroos, C Chan, F Sun, T Cheng (2005). Biological networks: design and dynamics at different levels. Technical Report Department of Statistics and Probability RM 639
3. M Huebner, A Tessier (2004). Daphnia, parasites, and lake bottom dynamics. Proceedings of the *Workshop on Dynamical Stochastic Modeling in Biology*. 40-42.
4. M Huebner, M Sørensen [eds] (2004). Proceedings of the *Workshop on Dynamical Stochastic Modeling in Biology*. Centre for Mathematical Physics and Stochastics, University of Copenhagen, Denmark.
5. M Huebner (1993). Parameter Estimation of Stochastic Differential Equations, *Dissertation*, University of Southern California.
6. M Huebner (1988) Quasi Entropie in  $C^*$ -Algebren, *Diplomarbeit*, Universität Saarbrücken, Germany.