

## Publications by Rik Schoemaker

### Key publications

- R.C. Schoemaker and A.F. Cohen. Estimating impossible curves using NONMEM. Br J Clin Pharmacol (1996) 42:283-290.  
([http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2042675/pdf/bcp\\_0423.pdf](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2042675/pdf/bcp_0423.pdf))
- R. C. Schoemaker, J.M.A. van Gerven and A. F. Cohen. Estimating potency for the Emax-model without attaining maximal effects. J Pharmacokinet Biopharm (1998) 26:5 581-593.
- R.C. Schoemaker, M.M. Buijs, H. Pijl, J. Burggraaf and A.F. Cohen. Modeling the influence of Growth Hormone in lipolysis. J Pharmacokin Pharmacodyn (2002) 29:2 157-170.
- R. C. Schoemaker, M. M. J. van der Vorst, I. Ruijs-Dudok van Heel, A. F. Cohen, J. Burggraaf. Development of an optimal furosemide infusion strategy in infants with modeling and simulation. Clin Pharmacol Ther (2002) 72:383-390.
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- Zoethout RWM, van Gerven JMA, Dumont GJH, Paltansing S, van Burgel ND, van der Linden M, Dahan A, Cohen AF, Schoemaker RC. A comparative study of two methods for attaining constant alcohol levels. Br J Clin Pharmacol. 2008; 66 (5), 22–29.  
(<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2661983/pdf/bcp0066-0674.pdf>)
- Schoemaker R, Wade JR, and Stockis A. Brivaracetam Population Pharmacokinetics and Exposure-Response Modeling in Adult Subjects with Partial-Onset Seizures. J Clin Pharmacol. 2016 May 5. doi: 10.1002/jcph.761. [Epub ahead of print]

### PhD Thesis

- H.C. Schoemaker. Modelling repeated measurements in clinical pharmacology; from individual to population and back. PhD Thesis, Leiden University (1999).

### Abstracts at the PAGE conference

- Rik Schoemaker, Armel Stockis. Extrapolation of a Brivaracetam Exposure-Response Model from Adults to Children. PAGE 25 (2016) Abstr 5752 [[www.page-meeting.org/?abstract=5752](http://www.page-meeting.org/?abstract=5752)]
- Rik Schoemaker, Satyaprakash Nayak, William S. Denney, E. Niclas Jonsson, Mats O. Karlsson, Lutz O. Harnisch. Modelling and simulation of neurological endpoints (modified Rankin Scale [mRS] and National Institute of Health Stroke Scale [NIHSS]) to aid clinical trial design in intracerebral hemorrhage (ICH). PAGE 25 (2016) Abstr 5905 [[www.page-meeting.org/?abstract=5905](http://www.page-meeting.org/?abstract=5905)]

- Julia Winkler, Rik Schoemaker, Armel Stockis. Population pharmacokinetics of lacosamide to support intravenous dose adaptation in children with epilepsy. PAGE 25 (2016) Abstr 6034 [[www.page-meeting.org/?abstract=6034](http://www.page-meeting.org/?abstract=6034)]
- Rik Schoemaker, Armel Stockis. PK/PD modeling of brivaracetam in epilepsy using daily seizure counts. PAGE 24 (2015) Abstr 3559 [[www.page-meeting.org/?abstract=3559](http://www.page-meeting.org/?abstract=3559)]
- Rik Schoemaker, Armel Stockis. Scaling brivaracetam pharmacokinetic parameters from adult to pediatric epilepsy patients. PAGE 22 (2013) Abstr 2674 [[www.page-meeting.org/?abstract=2674](http://www.page-meeting.org/?abstract=2674)]
- Rik Schoemaker, Armel Stockis. Modelling and simulation of spontaneously reported adverse events after administration of lacosamide. PAGE 21 (2012) Abstr 2380 [[www.page-meeting.org/?abstract=2380](http://www.page-meeting.org/?abstract=2380)]
- Christian Laveille, Rik Schoemaker, Armel Stockis. Use of an exposure-response model for lacosamide in adults with partial onset seizures to analyze preliminary data from a pediatric trial. PAGE 21 (2012) Abstr 2381 [[www.page-meeting.org/?abstract=2381](http://www.page-meeting.org/?abstract=2381)]
- Rik Schoemaker, Jakob Ribbing. Modelling Ordered Categorical Allergic Rhinitis Scores in an Environmental Exposure Unit Study. PAGE 20 (2011) Abstr 2109 [[www.page-meeting.org/?abstract=2109](http://www.page-meeting.org/?abstract=2109)]
- Rik Schoemaker, Eric Snoeck, Armel Stockis. Exposure-response modeling of daily seizure counts in focal epilepsy trials. PAGE 19 (2010) Abstr 1726 [[www.page-meeting.org/?abstract=1726](http://www.page-meeting.org/?abstract=1726)]
- E. Snoeck, R. Schoemaker, A. Stockis, C. Otoul, M.L. Sargentini-Maier. Levetiracetam exposure-response analysis in children with partial onset seizures. PAGE 17 (2008) Abstr 1403 [[www.page-meeting.org/?abstract=1403](http://www.page-meeting.org/?abstract=1403)]
- A. Strougo, L. Zuurman, C. Roy, J.-L. Pinquier, A.F. Cohen, J.M.A. van Gerven, R. Schoemaker. PK and PK/PD Modelling of CNS Effects and Heart Rate After THC Administration in Humans. PAGE 14 (2005) Abstr 706 [[www.page-meeting.org/?abstract=706](http://www.page-meeting.org/?abstract=706)]
- Rik C. Schoemaker, Madelon M. Buijs, Hanno Pijl, Adam F. Cohen. Integrated mathematical modeling of lipolysis. PAGE 10 (2001) Abstr 236 [[www.page-meeting.org/?abstract=236](http://www.page-meeting.org/?abstract=236)]
- Rik C. Schoemaker, I. Ruys-Dudok van Heel, M.M.J. van der Vorst, J.E. Kist-van Holthe tot Echten, J. Burggraaf, A.F. Cohen. In Search of an Optimal Furosemide Infusion Strategy in Children after Cardiac Surgery Using Modelling and Simulation. PAGE 9 (2000) Abstr 87 [[www.page-meeting.org/?abstract=87](http://www.page-meeting.org/?abstract=87)]
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- R.C. Schoemaker, J. Burggraaf, A.F. Cohen. Assessment Of Liver Blood Flow Using A Continuous Infusion Of A Drug With High Hepatic Clearance. PAGE 5 (1996) Abstr 554 [www.page-meeting.org/?abstract=554]
- Rik Schoemaker, Adam Cohen. Estimation of Kinetic/Dynamic Curves With Insufficient Information for Each Individual Using Non-Linear Mixed Effect Modelling. PAGE 4 (1995) Abstr 639 [www.page-meeting.org/?abstract=639]

### All publications (full papers only)

- 173 Schoemaker R, Wade JR, and Stockis A. Brivaracetam Population Pharmacokinetics and Exposure-Response Modeling in Adult Subjects with Partial-Onset Seizures. *J Clin Pharmacol*. 2016 May 5. doi: 10.1002/jcph.761. [Epub ahead of print]
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