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## Dry powder inhalation of biopharmaceuticals

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# **APPENDIX**

**Publications, patents and presentations  
related to this thesis**



**PUBLICATIONS**

- 2009 Zijlstra G.S., Wolting M.J., Petersen A.H., Prop J., Uges D.R.A., Kerstjens H.A.M., Van Der Bij, W., Frijlink H.W. *The efficacy of a new pulmonary cyclosporine A powder formulation in the prevention of transplant rejection in rats.* J Heart Lung Transplant, 28(5):486-92
- 2009 Zijlstra G.S., Ponsioen B., Hummel S., Sanders N., Hinrichs W.L.J., De Boer A.H., Frijlink H.W. *Preclinical development of (recombinant human) Deoxyribonuclease I as a powder for inhalation.* Pharm Dev Tech. 14(4):358-68.
- 2008 Ponsioen T.L., Van Deemter M., Bank R.A., Snabel J.M., Zijlstra G.S., Van der Worp R.J., Hooymans J.M.M., Los L.I. *The mature enzymatic collagen cross-links hydroxylysylpyridinoline and lysylpyridoline in the aging human vitreous.* 2008 Aug 15.
- 2007 Zijlstra G.S., Rijkeboer M., Jan van Drooge D., Sutter M., Jiskoot W., van de Weert M., Hinrichs W.L.J., Frijlink H.W. *Characterization of a cyclosporine solid dispersion for inhalation.* AAPS J. 2007 Jun 15;9(2):E190-9.
- 2007 Zijlstra G.S., Brandsma C.A., Harpe M.F., Van Dam G.M., Slebos D.J., Kerstjens H.A.M., De Boer A.H., Frijlink H.W. *Dry powder inhalation of hemin to induce heme oxygenase expression in the lung.* Eur J Pharm Biopharm. 2007 Nov;67(3):667-75. Epub 2007 Mar 31.
- 2005 Van Drooge D.J., Hinrichs W.L.J., Dickhoff B.H.J., Elli M.N., Visser M.R., Zijlstra G.S., Frijlink H.W. *Spray freeze drying to produce a stable Delta(9)-tetrahydrocannabinol containing inulin-based solid dispersion powder suitable for inhalation.* Eur J Pharm Sci. 2005 Oct;26(2):231-40.
- 2004 Zijlstra G.S., Hinrichs W.L.J., de Boer A.H., Frijlink H.W. *The role of particle engineering in relation to formulation and de-agglomeration principle in the development of a dry powder formulation for inhalation of cetrotorelix.* Eur J Pharm Sci. 2004 Oct;23(2):139-49.
- 2004 Zijlstra G.S., Boersma C., Frijlink H.W., Postma M.J. *Pharmacoeconomic review of recombinant human DNase in the management of cystic fibrosis.* Expert Rev Pharmacoeconomics Outcomes Res. 2004 Feb;4(1):49-59.

## PATENTS

- 2005 Zijlstra G.S., Van Drooge D.J., Hinrichs W.L.J., Dickhoff B.H.J., Frijlink H.W. *Process for preparing formulations of lyophilic active substances by spray freeze drying*. US Patent No. 11/269,954.

## PRESENTATIONS

- 2007 *Dry powder inhalation of cyclosporine a in rats: pharmacokinetics and effectiveness in rejection prevention in lung transplantation* - 19th BOOT congress NTV, Zeewolde, the Netherlands
- 2005 *Cyclosporine A - Dry Powder Inhalation*, Medical aerosol think tank, Utrecht, the Netherlands.
- 2005 *Inhalable inulin-based solid dispersion containing Cyclosporine A*. Belgian-Dutch Biopharmacy Society, Ghent, Belgium.
- 2003 *Formulation of cetorelix acetate as a powder for inhalation - comparison of micronization techniques*, Belgian-Dutch Biopharmacy Society, Groningen, the Netherlands.
- 2002 *Pulmonary drug delivery: the lung as a delivery route for peptides and proteins*, Medical aerosol think tank, Utrecht, the Netherlands.
- 2002 *Deoxyribonuclease I in inhalation therapy - the formulation of a stable and inhalable powder*, Belgian-Dutch Biopharmacy Society, Leuven, Belgium.
- 2002 *Effective powder deagglomeration principle enables the application of classical dry powder formulation techniques for peptides in inhalation*, Respiratory Drug Delivery 8, Tucson, United States (poster).