

Liste de publications de Karim Amighi

Ouvrages publiés en collaboration

2019

Rosiere, R., Amighi, K., & Wauthoz, N. (2019). *Nanotechnology-based targeted drug delivery systems for lung cancer: Nanomedicine-based inhalation treatments for lung cancer*.

2015

Wauthoz, N., & Amighi, K. (2015). *Pulmonary drug delivery : Advances and Challenges: Formulation strategies for pulmonary drug delivery of poorly soluble drugs*. Wiley.

Parties d'ouvrages collectifs

2015

Wauthoz, N., & Amighi, K. (2015). Formulation strategies for pulmonary delivery of poorly soluble drugs. In *Pulmonary Drug Delivery: Advances and Challenges* (pp. 87-121). wiley. doi:10.1002/9781118799536.ch5

Articles dans des revues avec comité de lecture

2022

Davenne, T., Percier, P., Larbanoix, L., Moser, M., Leo, O., Meylan, E., Goriely, S., Gérard, P., Wauthoz, N., Laurent, S., Amighi, K., & Rosiere, R. (2022). Inhaled dry powder cisplatin increases antitumour response to anti-PD1 in a murine lung cancer model. *Journal of controlled release*, 353, 317-326. doi:10.1016/j.jconrel.2022.11.055

Menchi, E., El Khattabi, C., Pochet, S., Denis, O., Amighi, K., & Wauthoz, N. (2022). Optimization of Long-Acting Bronchodilator Dose Ratios Using Isolated Guinea Pig Tracheal Rings for Synergistic Combination Therapy in Asthma and COPD. *Pharmaceuticals*, 15(8). doi:https://doi.org/10.3390/ph15080963

2021

Gevenois, P., De Pauw, P., Schoonooghe, S., Delporte, C., Sebti, T., Amighi, K., Muyldermans, S., & Wauthoz, N. (2021). Development of Neutralizing Multimeric Nanobody Constructs Directed against IL-13: From Immunization to Lead Optimization. *Journal of immunology (Baltimore, Md. : 1950)*, 207(10), 2608-2620. doi:10.4049/jimmunol.2100250

Tabare, E., Glonti, T., Cochez, C., Ngassam, C., Pirnay, J.-P., Amighi, K., & Goole, J. (2021). A Design of Experiment Approach to Optimize Spray-Dried Powders Containing *Pseudomonas aeruginosa* Podoviridae and Myoviridae Bacteriophages. *Viruses*, 13(10), 1926. doi:10.3390/v13101926

Chraïbi, S., Rosiere, R., De Prez, E., Gérard, P., Antoine, M.-H., Langer, I., Nortier, J., Rimmelink, M., Amighi, K., & Wauthoz, N. (2021). Preclinical tolerance evaluation

of the addition of a cisplatin-based dry powder for inhalation to the conventional carboplatin-paclitaxel doublet for treatment of non-small cell lung cancer. *Biomedicine & pharmacotherapy*, 139, 111716. doi:10.1016/j.biopha.2021.111716

Chraïbi, S., Rosiere, R., Larbanoix, L., Gérard, P., Hennis, I., Laurent, S., Vermeersch, M., Amighi, K., & Wauthoz, N. (2021). The combination of an innovative dry powder for inhalation and a standard cisplatin-based chemotherapy in view of therapeutic intensification against lung tumours. *European journal of pharmaceuticals and biopharmaceutics*, 164, 93-104. doi:10.1016/j.ejpb.2021.04.018

Koubaity, M., Lechon, A.-S., Amighi, K., Van Nuffelen, M., Moreau, M., Meert, A.-P., & De Vriese, C. (2021). Drug-related problems and risk factors related to unplanned hospital readmission among cancer patients in Belgium. *Supportive care in cancer*. doi:10.1007/s00520-020-05916-w

Chraïbi, S., Rosiere, R., De Prez, E., Antoine, M.-H., Remmelink, M., Langer, I., Nortier, J., Amighi, K., & Wauthoz, N. (2021). Pulmonary and renal tolerance of cisplatin-based regimens combining intravenous and endotracheal routes for lung cancer treatment in mice. *International journal of pharmaceuticals*, 599, 120425. doi:10.1016/j.ijpharm.2021.120425

Carlier, E., Marquette, S., Peerboom, C., Amighi, K., & Goole, J. (2021). Development of mAb-loaded 3D-printed (FDM) implantable devices based on PLGA. *International journal of pharmaceuticals*, 597, 120337. doi:10.1016/j.ijpharm.2021.120337

Carlier, E., Marquette, S., Peerboom, C., Amighi, K., & Goole, J. (2021). Development of mAb-loaded 3D-printed (FDM) implantable devices based on PLGA. *International journal of pharmaceuticals*, 597, 120337. doi:10.1016/j.ijpharm.2021.120337

2020

Wauthoz, N., Rosiere, R., & Amighi, K. (2020). Inhaled cytotoxic chemotherapy: clinical challenges, recent developments, and future prospects. *Expert opinion on drug delivery*. doi:10.1080/17425247.2021.1829590

Van Der Westhuyzen, A. A., Ingels, A., Rosiere, R., Amighi, K., Oberer, L., Gustafson, K. K., Wang, D., Evidente, A., Maddau, L., Masi, M., De Villiers, A., Green, I. R., Berger, W., Kornienko, A., Mathieu, V., & Van Otterlo, W. W. (2020). Deciphering the chemical instability of sphaeropsidin A under physiological conditions-degradation studies and structural elucidation of the major metabolite. *Organic & biomolecular chemistry*, 18(40), 8147-8160. doi:10.1039/d0ob01586e

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Ronchi, F., Sereno Guerra, A., Paide, M., Hennis, I., Sacré, P.-Y., Guillaume, G., Stéphenne, V., Goole, J., & Amighi, K. (2019). Development and evaluation of budesonide-based modified-release liquid oral dosage forms. *Journal of drug delivery science and technology*, 54, 101273. doi:10.1016/j.jddst.2019.101273

Rosiere, R., Berghmans, T., De Vuyst, P., Amighi, K., & Wauthoz, N. (2019). The position of inhaled chemotherapy in the care of patients with lung tumours: clinical feasibility and

indications according to recent pharmaceutical progresses. *Cancers*, 11(329), 1-13. doi:10.3390/cancers11030329

Arrighi, A., Marquette, S., Peerboom, C., Denis, L., Goole, J., & Amighi, K. (2019). Development of PLGA microparticles with high immunoglobulin G-loaded levels and sustained-release properties obtained by spray-drying a water-in-oil emulsion. *International journal of pharmaceutics*, 566, 291-298. doi:10.1016/j.ijpharm.2019.05.070

Salade, L., Wauthoz, N., Goole, J., & Amighi, K. (2019). How to characterize a nasal product. The state of the art of in vitro and ex vivo specific methods. *International journal of pharmaceutics*, 561, 47-65. doi:10.1016/j.ijpharm.2019.02.026

Koubaity, M., Lelubre, M., Sansterre, G., Amighi, K., & De Vriese, C. (2019). Adaptation and validation of PCNE drug-related problem classification v6.2 in French-speaking Belgian community pharmacies. *International Journal of Clinical Pharmacy*, 41(1), 244-250. doi:10.1007/s11096-018-0773-y

2018

Wauthoz, N., Hennia, I., Ecenarro, S., & Amighi, K. (2018). Impact of capsule type on aerodynamic performance of inhalation products: A case study using a formoterol-lactose binary or ternary blend. *International journal of pharmaceutics*, 553(1-2), 47-56. doi:10.1016/j.ijpharm.2018.10.034

Lelubre, M., Clerc, O., Grosjean, M., Amighi, K., De Vriese, C., Bugnon, O., & Schneider, M. P. (2018). Implementation study of an interprofessional medication adherence program for HIV patients in Switzerland: quantitative and qualitative implementation results. *BMC health services research*, 18, 874. doi:10.1186/s12913-018-3641-5

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Salade, L., Wauthoz, N., Vermeersch, M., Amighi, K., & Goole, J. (2018). Chitosan-coated liposome dry-powder formulations loaded with ghrelin for nose-to-brain delivery. *European journal of pharmaceutics and biopharmaceutics*, 129, 257-266. doi:10.1016/j.ejpb.2018.06.011

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Rosiere, R., Hureaux, J., Levet, V., Amighi, K., & Wauthoz, N. (2018). La chimiothérapie inhalée – partie 2 : clinique et applications potentielles. *Revue des maladies respiratoires*, 35(4), 378-389. doi:10.1016/j.rmr.2018.02.002

Rosiere, R., Hureaux, J., Levet, V., Amighi, K., & Wauthoz, N. (2018). La chimiothérapie inhalée – partie 1 : concept et challenges technologiques actuels. *Revue des maladies respiratoires*, 35(4), 357-377. doi:10.1016/j.rmr.2018.02.001

Rosiere, R., Van Woensel, M., Gelbcke, M., Mathieu, V., Hecq, J., Mathivet, T., Vermeersch, M., Van Antwerpen, P., Amighi, K., & Wauthoz, N. (2018). New Folate-Grafted Chitosan Derivative To Improve Delivery of Paclitaxel-Loaded Solid Lipid Nanoparticles for Lung Tumor Therapy by Inhalation. *Molecular pharmaceutics*, 15(3), 899-910. doi:10.1021/acs.molpharmaceut.7b00846

Biset, N., Lelubre, M., Senterre, C., Amighi, K., Bugnon, O., Schneider, M. P., & De Vriese, C. (2018). Assessment of medication adherence and responsible use of isotretinoin and contraception through belgian community pharmacies by using pharmacy refill data. *Patient Preference and Adherence*, 12, 153-161. doi:10.2147/PPA.S149355

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Salade, L., Wauthoz, N., Deleu, M., Vermeersch, M., De Vriese, C., Amighi, K., & Goole, J. (2017). Development of coated liposomes loaded with ghrelin for nose-to-brain delivery for the treatment of cachexia. *International Journal of Nanomedicine (Online)*, 12, 8531—8543. doi:10.2147/IJN.S147650

Wauthoz, N., Hennia, I., Dejaegher, B., Ecenarro, S., & Amighi, K. (2017). Proposed algorithm for healthcare professionals based on product characteristics and in vitro performances in different use conditions using formoterol-based marketed products for inhalation. *International journal of pharmaceutics*, 530(1-2), 415-429. doi:10.1016/j.ijpharm.2017.07.021

Van Woensel, M., Mathivet, T., Wauthoz, N., Rosiere, R., Garg, A. D., Agostinis, P., Mathieu, V., Kiss, R., Lefranc, F., Boon, L., Belmans, J., Van Gool, S. W., Gerhardt, H., Amighi, K., & De Vleeschouwer, S. (2017). Sensitization of glioblastoma tumor micro-environment to chemo- and immunotherapy by Galectin-1 intranasal knock-down strategy. *Scientific Reports*, 27(1), 1217. doi:10.1038/s41598-017-01279-1

Chikh Alard, I., Soubhye, J., Berger, G., Gelbcke, M., Spassov, S., Amighi, K., Goole, J., & Meyer, F. (2017). Triple-stimuli responsive polymers with fine tuneable magnetic responses. *Polymer Chemistry*, 8(16), 2450-2456. doi:10.1039/c7py00218a

Levet, V., Merlos, R., Rosiere, R., Amighi, K., & Wauthoz, N. (2017). Platinum pharmacokinetics in mice following inhalation of cisplatin dry powders with different release and lung retention properties. *International journal of pharmaceutics*, 517, 359-372. doi:10.1016/j.ijpharm.2016.12.037

Merlos, R., Wauthoz, N., Levet, V., Belhassan, L., Sebti, T., Vanderbist, F., & Amighi, K. (2017). Optimization and Scaling-Up of ITZ-based Dry Powders for Inhalation. *Journal of drug delivery science and technology*, 37, 147-157. doi:10.1016/j.jddst.2016.12.009

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Lelubre, M., Koubaity, M., De Wulf [EXT], I., Boussery, K., De Meyer, G. R., Foulon, V., Lacour, V., Steurbaut, S., Van Hees, T., Amighi, K., Bugnon, O., & De Vriese, C. (2016). Fréquence et nature des problèmes liés aux corticostéroïdes dans les officines publiques de Belgique. *Journal de pharmacie de Belgique*,(3), 32-41.

Doyen, V., Pilcer, G., Dinh, D. H. P., Corazza, F., Bernard, A., Bergmann, P., Lefevre, N., Amighi, K., & Michel, O. (2016). Inflammation induced by inhaled lipopolysaccharide depends on particle size in healthy volunteers. *British journal of clinical pharmacology*, 82(5), 1371-1381. doi:10.1111/bcp.13052

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Goole, J., & Amighi, K. (2016). 3D printing in pharmaceutics: A new tool for designing customized drug delivery systems. *International journal of pharmaceutics*, 499(1-2), 376-394. doi:10.1016/j.ijpharm.2015.12.071

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Rosiere, R., Gelbcke, M., Mathieu, V., Van Antwerpen, P., Amighi, K., & Wauthoz, N. (2015). New dry powders for inhalation containing temozolomide-based nanomicelles for improved lung cancer therapy. *International journal of oncology*, 47(3), 1131. doi:10.3892/ijo.2015.3092

Reeff, J., Oprenyeszk, F., Franck, T., Goole, J., De Vriese, C., Serteyn, D., Henrotin, Y., & Amighi, K. (2015). Development and evaluation in vitro and in vivo of injectable hydrolipidic gels with sustained-release properties for the management of articular pathologies such as osteoarthritis. *International journal of pharmaceutics*, 490(1-2), 14855, 74-84. doi:10.1016/j.ijpharm.2015.04.064

Hecq, J., Siepmann, F., Siepmann, J., Amighi, K., & Goole, J. (2015). Development and evaluation of chitosan and chitosan derivative nanoparticles containing insulin for oral administration. *Drug development and industrial pharmacy*, 41(12), 2037-2044. doi:10.3109/03639045.2015.1044904

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Goole, J., & Amighi, K. (2005). *Développement et évaluation de mini-comprimés flottants à libération prolongée, développement de deux méthodes de dosage de la levodopa par HPLC.*

Goole, J., & Amighi, K. (2005). *Développement et évaluation de mini-comprimés enrobés flottants à libération prolongée.*

Participations à des congrès et colloques internationaux

2024

Wauthoz, N., Rosiere, R., & Amighi, K. (2024). *Inhaled chemotherapy as a new modality to increase immunotherapy response in lung cancer therapy.* Paper session presented at Rescon summit Europe (2024: 26-28-06-2024: Barcelona).

Wauthoz, N., Rosiere, R., & Amighi, K. (2024). *New Inhaled Therapies to Increase the Immunotherapy Response in Lung Cancer Therapy*. Paper session presented at Annual International Symposium of Drug Delivery Systems (11th: 22-24-05-2024: Osaka).

2023

Wauthoz, N., Gevenois, P., Menchi, E., Lambot, C., Sebti, T., & Amighi, K. (2023). *Evaluation of the efficacy of an innovative triparatopic anti-IL-13 VhH in a murine preclinical model of respiratory inflammation*. Paper session presented at International Society For Aerosols in Medicine (2023: 26-30th August 2023: Saarbrücken).

Wauthoz, N., & Amighi, K. (2023). *Inhaled chemotherapy : a new modality for lung cancer treatment*. Paper session presented at Forum of Pharmaceutical Sciences of Belgian Society (21th: 27-28th 2023: Blankenberg).

2022

Wauthoz, N., Chraibi, S., Davenne, T., Gérard, P., Rosiere, R., & Amighi, K. (2022). *Evaluation of Tumour Exposure following the Administration of an Innovative Cisplatin Dry Powder for Inhalation at Different Dose Levels and Regimens*. Paper session presented at Drug Delivery to the Lung (2022: 7-9th December 2022: Edinburg).

2021

Menchi, E., El Khattabi, C., Denis, O., Pochet, S., Amighi, K., & Wauthoz, N. (2021). *Determination of an appropriate dose ratio of a synergistic combination of long-acting bronchodilators for the maintenance treatment of asthma and COPD*. Paper session presented at Drug Delivery to the Lung (32: 8-10th December 2021: Virtual).

Gevenois, P., Declerck, S., De Braekeleer, K., Vander Heyden, Y., Sebti, T., Amighi, K., & Wauthoz, N. (2021). *Optimization of IgG dry powder for inhalation (DPI) formulation stability based on polyol-sugar mixtures using a rational Design of experiment (DoE)*. Poster présenté à la conférence Pharmaceutics, Biopharmaceutis and Pharmaceutical Technology (12th: 11-14th May 2021: Digital).

Chraibi, S., Rosiere, R., De Prez, E., Langer, I., Nortier, J., Amighi, K., & Wauthoz, N. (2021). *Evaluation of pulmonary and renal tolerance on mice of a cisplatin-based dry powder for inhalation to treat lung cancer*. Poster présenté à la conférence Pharmaceutics, Biopharmaceutis and Pharmaceutical Technology (12th: 11-14th May 2021: Digital).

Wauthoz, N., & Amighi, K. (2021). *Inhaled Chemotherapy : a new modality for lung cancer treatment: (invited plenary speaker)*. Paper session presented at Pharmaceutics, Biopharmaceutis and Pharmaceutical Technology (12th: 11-14th May 2021: Digital).

2020

Chraibi, S., De Prez, E., Rosiere, R., Touzani, F., Antoine, M.-H., Wauthoz, N., Amighi, K., & Nortier, J. (2020). *Évaluation préclinique de la tolérance rénale suite à l'administration par voie systémique et par inhalation de cisplatine dans un modèle murin de cancer pulmonaire*. Paper session presented at congrès de la société francophone de néphrologie, dialyse et transplantation (SFNDT) (5ème: 07/10/2020-08/10/2020: Digital).

Chraibi, S., Rosiere, R., Larbanoix, L., Laurent, S., De Prez, E., Nortier, J., Amighi, K., & Wauthoz, N. (2020). *Optimization of Cisplatin-based Regimens Combining Pulmonary*

and Intravenous Routes for Lung Cancer Therapy. Poster présenté à la conférence Respiratory Drug Delivery 2020 (26/04/2020-30/06/2020).

Rosiere, R., Bischof, R., Chraibi, S., Hennia, I., Meeusen, E., Amighi, K., & Wauthoz, N. (2020). *Pharmacokinetic and Preliminary Toxicity Investigation of an Innovative Controlled-Release Cisplatin Dry Powder Inhalation Formulation in Sheep.* Poster présenté à la conférence Respiratory Drug Delivery 2020 (26/04/2020-30/06/2020: Digital).

2018

Chraibi, S., Spires, J. J., Amighi, K., & Wauthoz, N. (2018). *In silico Prediction of Pharmacokinetic Parameters after Cisplatin Intravenous and Endotracheal Administration Using GastroPlus™ Software.* Poster présenté à la conférence Drug Delivery to the lung (28: 12-14th December 2018: Edinburg).

Koubaity, M., Amighi, K., & De Vriese, C. (2018). *Evaluation and analysis of drug-related problems in cancer patients readmitted 30 days after discharge in 2 belgian hospitals.* Paper session presented at 1st International Conference FIP Pharmacy Practice Research (25-27 June 2018: Lisbon).

2017

Rosiere, R., Chraibi, S., Albasry, S., Vermeech, M., Amighi, K., & Wauthoz, N. (2017). *Development of paclitaxel nanocrystal-based dry powder formulations for targeted therapy of lung tumours by inhalation.* Poster présenté à la conférence Drug Delivery to the lungs (DDL) (28: 2017-12-06-08: Edimbourg).

Wauthoz, N., Hennia, I., Ecenarro, S., & Amighi, K. (2017). *Impact of the capsule type on the aerodynamic performances of a fluticasone-based dry powder under optimal and suboptimal inhalation airflows.* Poster présenté à la conférence Drug Delivery to the lungs (28: 2017-12-06-08: Edimbourg).

Wauthoz, N., Hennia, I., Ecenarro, S., & Amighi, K. (2017). *A Comparative Evaluation of the Aerosolization Performances of Marketed Fluticasone Multi-Unit and Single-Unit Dry Powder Inhalers (DPIs): The Effects of Product Use Life, Suboptimal Airflow and a Hot/Humid Environment.* Poster présenté à la conférence American Association of Pharmaceutical Scientists (AAPS) (2017: 2017-11-12-15: San Diego).

Salade, L., Wauthoz, N., De Vriese, C., Amighi, K., & Goole, J. (2017). *Development of a Dry-Powder Formulation with Ghrelin-loaded Liposomes for Nose-to-Brain Delivery.* Poster présenté à la conférence 2nd European Conference on Pharmaceutics, Novel Dosage Forms & Innovative Technologies (3 April to 4 April 2017: Krakow, Poland).

2016

Rosiere, R., Van Woensel, M., Mathieu, V., Mathivet, T., Amighi, K., & Wauthoz, N. (2016). *New lung-tumour-penetrating nanocarrier designed for aerosolized chemotherapy.* Paper session presented at Drug Delivery to the lung (27th world meeting: 7-9/12/2016: Edinburg (UK)).

Wauthoz, N., Hennia, I., Ecenarro, S., & Amighi, K. (2016). *Impact of different capsules for dry powder inhalers on the aerodynamic performances of formoterol-based binary and*

ternary blends. Poster présenté à la conférence Drug Delivery to the lung (27th world meeting: 7-9/12/2016: Edinburg (UK)).

Levet, V., Rosiere, R., Amighi, K., & Wauthoz, N. (2016). Local and systemic pharmacokinetic evaluation of immediate-release and controlled-release cisplatin dry powders for inhalation against lung cancer. In *Journal of Pulmonary Delivery - Abstract book of Drug Delivery to the Lungs conference 27* Journal of Aerosol Medicine and Pulm.

Levet, V., Rosiere, R., Amighi, K., & Wauthoz, N. (2016). *Local and systemic pharmacokinetic evaluation of immediate-release and controlled-release cisplatin dry powders for inhalation against lung cancer*. Poster présenté à la conférence Drug delivery to the lungs (27: December 6-9th 2016: Edinburgh, Scotland).

Lelubre, M., Clerc, O., Grosjean, M., Amighi, K., De Vriese, C., Bugnon, O., & Schneider, M. P. (2016). *Implementation study related to an interdisciplinary antiretroviral adherence program for HIV patients in community pharmacies*. Poster présenté à la conférence Espacomp 20th annual meeting (17-19 nov 2016: Lisbonne, Portugal).

Biset, N., Lelubre, M., Amighi, K., Bugnon, O., Schneider, M. P., & De Vriese, C. (2016). *Medication adherence evaluation for isotretinoin and contraception and evaluation of compliance with the main recommendation linked to isotretinoin using pharmacy refill data*. Poster présenté à la conférence Espacomp 20Th annual meeting (17-19 nov 2016: Lisbonne, Portugal).

Wauthoz, N., Hennia, I., Ecenarro, S., & Amighi, K. (2016). *Influence of flow rate and uasage in drastic condition on the aerodynamic performance of a formoterol dry powder formulation using different kinds of capsules for inhalation*. Poster présenté à la conférence AAPS (2016: 13-17/11/2016: Denver (USA)).

Van Woensel, M., Wauthoz, N., Rosiere, R., Mathieu, V., Kiss, R., Lefranc, F., Steelant, B., Van Gool, S. W., Mathivet, T., Gerhardt, H., & Amighi, K. (2016). *Development of siRNA-loaded chitosan nanoparticles targeting Galectin-1 for the treatment of glioblastoma multiforme via intranasal administration*. Paper session presented at Respiratory Drug Delivery (2016: 17-21/04/2016: Phoenix (Arizona)).

Salade, L., Wauthoz, N., De Vriese, C., Amighi, K., & Goole, J. (2016). *Development and Evaluation of Ghrelin-loaded Liposomes for Nose to Brain Delivery*. Poster présenté à la conférence Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (04-07/04/2016: Glasgow UK).

2015

Salade, L., Wauthoz, N., De Vriese, C., Amighi, K., & Goole, J. (2015). *Development and Evaluation of Ghrelin-loaded Liposomes for Nose-to-Brain Delivery*. Poster présenté à la conférence Journée des doctorants de sciences biomédicales, dentaires, sciences médicales et pharmaceutiques (15ème journée: 17/12/2015: Erasme).

Levet, V., Amighi, K., & Wauthoz, N. (2015). *Inhaled chemotherapy: development of immediate and controlled-release cisplatin dry powders formulations*. Poster présenté à la conférence Journée des Doctorants de sciences biomédicales, dentaires, sciences médicales et pharmaceutiques (15th: 17/12/2015: Erasme, Belgique).

Wauthoz, N., Hennia, I., Deleers, M., Diez, F., & Amighi, K. (2015). *Evaluation of the aerodynamic performance of formoterol dry powder using different capsules for inhalation: hypromellose versus gelatin from Qualicaps and Capsugel*. Poster présenté à la conférence Drug Delivery to the Lung (26th World Meeting: 9-11 décembre 2015: Edinburg).

Wauthoz, N., Hennia, I., Deleers, M., Diez, F., & Amighi, K. (2015). *A comparative evaluation of formoterol-based marketed inhaled medicines throughout the device life, focusing on inspiratory airflow and high temperature and humidity use conditions*. Poster présenté à la conférence American Association of Pharmaceutical Scientists : Annual Meeting of Exposition (2015: 25-29/10/2015: Orlando, USA).

Wauthoz, N., Hennia, I., Deleers, M., Diez, F., & Amighi, K. (2015). *Inhaler Device Selection: comparison of capsule-based DPIs, pMDIs and Multi-dose DPIs*. Paper session presented at American Association of Pharmaceutical Scientists : Annual Meeting & Exposition (2015: 25-29/10/2015: Orlando, USA).

Schoubben, A., Wauthoz, N., Ianni, F., Blasi, P., Amighi, K., & Ricci, M. (2015). *Aerodynamic properties and pharmacokinetics of capreomycin oleate supergenerics*. Paper session presented at Inhaled Therapies for tuberculosis and other infectious diseases (3rd: 14-16/10/2015: Parma, Italy).

Wauthoz, N., Duret, C., Merlos, R., Sebti, T., Vanderbist, F., & Amighi, K. (2015). *Innovative dry itraconazole-based solid dispersion for inhalation to combat pulmonary aspergillosis : from the laboratory bench to the industrial scale*. Poster présenté à la conférence Inhaled Therapies for Tuberculosis and other infectious diseases (3rd: 14-16/10/2015: Parma, Italy).

Ianni, F., Schoubben, A., Lisanti, A., Sardella, R., Wauthoz, N., Amighi, K., & Natalini, B. (2015). *QUANTITATIVE ASSAY OF CAPREOMYCIN OLEATE LEVELS IN MICE LUNG AND PLASMA WITH A FULLY VALIDATED RP-HPLC METHOD*. Poster présenté à la conférence RDPA 2015 Recent Development in Pharmaceutical Analysis (28/06/2015-1/07/2015: Perugia, Italy).

Merlos, R., Wauthoz, N., Belhassan, L., Sebti, T., Traina, K., Vanderbist, F., & Amighi, K. (2015). *Scaling-up of an Itraconazole-based Dry Powder for Inhalation from a Lab-sized Buchi Mini Spray Dryer B-290 to a Pilot Mobile Minor Spray Dryer*. Paper session presented at Forum des sciences pharmaceutiques de la SBSPP (18: 28-29/05/2015: Blankenberge).

Levet, V., Amighi, K., & Wauthoz, N. (2015). *Inhaled Cisplatin: Assessment of administration route and development of a Dry Powder Formulation*. Paper session presented at Forum of Pharmaceutical Sciences of the Belgian Society of Pharmaceutical Sciences (18th: May 28-29th, 2015: Blankenberge, Belgique).

Wauthoz, N., Hennia, I., Deleers, M., Diez, F., & Amighi, K. (2015). *Inhaler Device Selection: comparison of capsule-based DPIs, pMDIs and Multi-dose DPIs*. Paper session presented at RDD Europe 2015 (5-8 May 2015: Antibes, France).

Van Woensel, M., Wauthoz, N., Rosiere, R., Amighi, K., Mathieu, V., Lefranc, F., Van Gool, S. W., Mathivet, T., & De Vleeschouwer, S. (2015). *Intranasal delivery of anti-Galectin-1 formulation to increase the efficiency of chemo- and immunotherapy for*

glioblastoma. Poster présenté à la conférence European Conference on Pharmaceutics (1st: 13 and 14/04/2015: Reims, France).

Rosiere, R., Van Woensel, M., Langer, I., Mathieu, V., Amighi, K., & Wauthoz, N. (2015). *Nanomicelle-based dry powders for inhalation for targeted delivery to lung cancer cells: in vitro evaluation and in vivo local pulmonary tolerance on healthy mice*. Poster présenté à la conférence European Conference on Pharmaceutics (1st: 13 and 14/04/2015: Reims, France).

Lelubre, M., Clerc, O., Grosjean, M., Amighi, K., & De Vriese, C. (2015). Design of an implementation study related to an interdisciplinary ART adherence program for HIV patients in community pharmacies. *International Journal of Clinical Pharmacy*,(37), 419.

Lelubre, M., Clerc, O., Grosjean, M., Amighi, K., De Vriese, C., Bugnon, O., & Schneider, M. P. (2015). *Design of an implementation study related to an interdisciplinary ART adherence program for HIV patients in community pharmacies*. Poster présenté à la conférence Pharmaceutical Care Network Europe Working Conference (4-6 feb 2015: Mechelen, Belgium).

2014

Merlos, R., Wauthoz, N., Sebti, T., Vanderbist, F., & Amighi, K. (2014). *Industrial perspectives for Dry Powder for Inhalation composed by Itraconazole to prevent or combat pulmonary aspergillosis*. Poster présenté à la conférence Journée doctorale Pôle Santé (14ème: 18/12/2014: Campus Erasme, ULB).

Levet, V., Wauthoz, N., & Amighi, K. (2014). *Local and Systemic Pharmacokinetic evaluation of a Cisplatin solution delivered by Pulmonary Route or by Intravenous route applying validated Electrothermic Atomic Absorption Spectrometry methods (ETAAS)*. Paper session presented at Journée des Doctorants de sciences biomédicales, dentaires, sciences médicales et pharmaceutiques 14th Erasme, Belgique 18/12/2014.

Rosiere, R., Van Antwerpen, P., Gelbcke, M., Amighi, K., & Wauthoz, N. (2014). *Development of nanoparticle formulations composed by new folate receptor-targeted excipients and temozolomide for the lung cancers therapy by inhalation*. Poster présenté à la conférence Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (9th: 31/03/2014-03/04/2014: Lisbonne, Portugal).

Amighi, K., & Wauthoz, N. (2014). *Advances in Pulmonary Drug Delivery*. Paper session presented at Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (9th: 31/03/2014-03/04/2014: Lisbonne, Portugal).

Amighi, K., & Wauthoz, N. (2014). *La délivrance pulmonaire : une nouvelle voie d'accès pour les médicaments: état de l'art, réalisations et perspectives*. Paper session presented at Académie Royale de Médecine de Belgique (29/03/2014: Bruxelles, Belgique).

Van Woensel, M., Wauthoz, N., Rosiere, R., Amighi, K., Mathieu, V., Lefranc, F., Van Gool, S. W., Mathivet, T., & De Vleeschouwer, S. (2014). *Intranasal delivery of anti-Galectin-1 formulation to increase the efficiency of chemo- and immunotherapy for glioblastoma*. Poster présenté à la conférence Belgian Society of Neurosurgery (29/03/2014: Brussels).

Koubaity, M., Lelubre, M., De Wulf, I., Amighi, K., & De Vriese, C. (2014). *Evaluation of a drug related problem classification tool in community pharmacy daily practice*. Poster présenté à la conférence PCNE Working Symposium (Sliema - Malta).

Lelubre, M., Koubaity, M., De Wulf [EXT], I., Boussey, K., De Meyer, G. R., Foulon, V., Lacour, V., Steurbaut, S., Van Hees, T., Amighi, K., & De Vriese, C. (2014). *Evaluation of drug-related problems in Belgium: focus on corticosteroids*. Poster présenté à la conférence Working symposium of the Pharmaceutical Care Network Europe (14-15 mars 2014: Sliema, Malte).

Koubaity, M., Lelubre, M., De Wulf [EXT], I., Amighi, K., & De Vriese, C. (2014). Evaluation of a drug related problem classification tool in community pharmacy daily practice. *International Journal of Clinical Pharmacy*,(36), 847.

Lelubre, M., Koubaity, M., De Wulf [EXT], I., Boussey, K., De Meyer, G. R., Foulon, V., Lacour, V., Steurbaut, S., Van Hees, T., Amighi, K., & De Vriese, C. (2014). Evaluation of drug related problems in Belgium : focus on corticosteroids. *International Journal of Clinical Pharmacy*,(36), 847.

2013

Rosiere, R., Wauthoz, N., Gelbcke, M., Van Antwerpen, P., & Amighi, K. (2013). *Development of new inhalable formulation for the lung cancers therapy*. Paper session presented at Journée des Doctorants de sciences biomédicales, dentaires, sciences médicales et pharmaceutiques (13: 19/12/2013: Erasme).

Rosiere, R., Wauthoz, N., Gelbcke, M., Van Antwerpen, P., & Amighi, K. (2013). *Development of new inhalable formulation for the lung cancers therapy*. Paper session presented at Forum des sciences pharmaceutiques de la SBSPP (17: 17-18/10/2013: Spa).

Duret, C., Wauthoz, N., Rosiere, R., Merlos, R., Sebti, T., Vanderbist, F., & Amighi, K. (2013). *A new Inhaled Itraconazole Solid Dispersion for Inhalation against Invasive Pulmonary Aspergillosis*. Poster présenté à la conférence Innovation in Drug Delivery (3rd: 22-25/09/2013: Pise - Italie).

Wauthoz, N., & Amighi, K. (2013). *Phospholipids as pulmonary excipient*. Paper session presented at Symposium on Phospholipids in Pharmaceutical Research (3rd: 16-17/09/2013: Heidelberg - Allemagne).

2012

Marquette, S., Peerboom, C., Yates, Y., Denis, L., Goole, J., & Amighi, K. (2012). *Monoclonal antibody encapsulation in polymer microspheres using the solid-in-oil-in-water method with ethyl acetate as organic solvent*. Poster présenté à la conférence XX International Conference on Bioencapsulation (September 21-24, 2012: Orillia, Ontario).

Wauthoz, N., Kiss, R., & Amighi, K. (2012). *Temozolomide by inhalation for the treatment of lung tumors: Preclinical investigation and development of dry powder formulations for inhalation*. Paper session presented at Nanomedicine in Oncology Workshop (26-29 September 2012: Berder, France).

Wauthoz, N., Kiss, R., & Amighi, K. (2012). *Local Delivery of Temozolomide against Lung Tumors and Development of Dry Powders for Inhalation*. Paper session presented at

Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (8th World Meeting: 19.03.2012-22.03.2012: Istanbul).

Duret, C., Wauthoz, N., Goole, J., Sebti, M. T., Vanderbist, F., & Amighi, K. (2012). *In vitro and in vivo evaluation of a dry powder endotracheal insufflator device for use in dose-dependent preclinical studies in mice*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (19-22 mars 2012: Istanbul).

Pilcer, G., Vanderbist, F., Sebti, T., Cahay, A., Streel, B., & Amighi, K. (2012). *New dry powder combination for inhalation of two antibiotics with high deposition properties*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics Biopharmaceutics and Pharmaceutical Technology (March 19-22, 2012: Istanbul, Turkey).

Hecq, J., Goole, J., & Amighi, K. (2012). *Development and evaluation of chitosan and chitosan derivatives nanoparticles containing insulin*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Gaignaux, A., Reeff, J., De Vriese, C., Goole, J., & Amighi, K. (2012). *New controlled-release PLGA microparticles containing clonidine*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Reeff, J., Gaignaux, A., Goole, J., De Vriese, C., & Amighi, K. (2012). *New sustained-release intra-articular gel formulation based on monolein for local treatment of arthritic disease (Part I)*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Reeff, J., Gaignaux, A., Goole, J., De Vriese, C., & Amighi, K. (2012). *Characterization of a new sustained-release intra-articular gel formulation based on monolein for local treatment of arthritic disease (Part II)*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Duret, C., Wauthoz, N., Goole, J., Sebti, T., Vanderbist, F., & Amighi, K. (2012). *Dry powder endotracheal insufflators device for use in dose dependent preclinical studies in mice*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Marquette, S., Goole, J., Amighi, K., Peerboom, C., Yates, A., & Denis, L. (2012). *Screening of encapsulation methods for immunoglobulin G in PLGA microspheres*. Poster présenté à la conférence 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Marquette, S., Goole, J., Langers, I., Amighi, K., Peerboom, C., Yates, A., & Denis, L. (2012). *Development of monoclonal antibody microspheres using the solid-in-oil-in-water encapsulation method*. Poster présenté à la conférence VII Ph.D. Day (October 16th 2012: Bruxelles, Belgique).

Devriese, C., Parvais, M., Amighi, K., Neve, J., Blondeau, M., Feron, A., Lamme, A., & Di Pietrantonio, J. (2012). *Intégration et évaluation de séminaires de pratique officinale en*

Officine pédagogique en Faculté de Pharmacie de l'ULB. Poster présenté à la conférence Symposium sur les soins pharmaceutiques (15 septembre 2012: Bruxelles, Belgique).

2011

Duret, C., Wauthoz, N., Pilcer, G., Depreter, F., Sebti, T., & Amighi, K. (2011). *The use of phospholipids as excipients in the development of formulations for inhalation.* Poster présenté à la conférence Phospholipids in Pharmaceutical Research (2nd: 12-09-2011 and 13-09-2011: Heidelberg).

Wauthoz, N., Deleuze, P., Saumet, A., Duret, C., Kiss, R., & Amighi, K. (2011). *Temozolomide-based dry powder formulations for lung tumor-related inhalation treatments.* Poster présenté à la conférence PharmSciFair (3rd: 13/06/2011-17/06/2011: Pragues).

Doyen, V., Pilcer, G., Dinh, D. H. P., D'Hondt, S., Corrazza, F., Bernard, A., Amighi, K., & Michel, O. (2011). *Inflammation induced by LPS inhalation depends on the particle size.* Poster présenté à la conférence 30th Congress of the European Academy of Allergy and Clinical Immunology (11-15 June 2011: Istanbul, Turkey).

Devriese, C., Claeys, C., Saevels, J., Vermandele, C., Amighi, K., & Neve, J. (2011). *Gathering information, communication with the patient and perception of the pharmaceutical file by the pharmacist: a pilot study.* Poster présenté à la conférence Pharmaceutical Care Network Europe, Working conference 2011: Does pharmaceutical care impact on the safety of individual patients? (23-26 mars 2011: Manchester, UK).

De Vriese, C., Claeys, C., Saevels, J., Vermandele, C., Amighi, K., & Neve, J. (2011). *Gathering information, communication with the patients and perception of the pharmaceutical file by the pharmacist : a pilot study.* *International Journal of Clinical Pharmacy*,(33), 718.

2010

Wauthoz, N., Deleuze, P., Saumet, A., Duret, C., & Amighi, K. (2010). *Development of Temozolomide Dry Powder Formulations for Inhalation for the Treatment of Lung Tumours.* Poster présenté à la conférence Journée doctorale pôle santé 2010 (23/12/2010: Campus Erasme).

Wauthoz, N., Deleuze, P., Saumet, A., Duret, C., Kiss, R., & Amighi, K. (2010). *Development of Temozolomide Dry Powder Formulations for Inhalation for the Treatment of Lung Tumours.* Paper session presented at Journée doctorale ULB/MONS (28/05/2011: Mons).

Depreter, F., & Amighi, K. (2010). *Development of spray-dried insulin particles for inhalation using lipid excipients.* Poster présenté à la conférence 7th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (7: 8 to 11 March 2010: Valletta, Malta).

Depreter, F., & Amighi, K. (2010). *Development of lipid coated formulations for the administration of insulin by inhalation.* Paper session presented at 6th Ph. D. Day (6: 28/05/2010: Mons, Belgium).

Wauthoz, N., & Amighi, K. (2010). *In vivo assessment of temozolomide delivery systems for inhalation therapy of lung cancer*. Paper session presented at 7th World Meeting on Pharmaceutics Biopharmaceutics and Pharmaceutical Technology (8-11 March 2010: La Valletta, Malta).

Amighi, K., & Goole, J. (2010). *Potential application of gastro-retentive dosage forms in the treatment of Parkinson disease*. Paper session presented at European Modified Release Forum (21-22 Avril 2010: Londres, UK).

Amighi, K. (2010). *Lactose characteristics and the generation of the aerosol*. Paper session presented at International meeting on Lactose as a carrier for Inhalation Products (26-28 September 2010: Parma, Italy).

Pilcer, G., & Amighi, K. (2010). *Highly dispersive tobramycin dry powder formulations for inhalation*. Poster présenté à la conférence 7th World Meeting on Pharmaceutics Biopharmaceutics and Pharmaceutical Technology (8-11 March 2010: La Valletta, Malta.).

2009

Wauthoz, N., Deleuze, P., Hecq, J., Roland, I., Saussez, S., Adanja, I., Debeir, O., Decaestecker, C., Mathieu, V., Kiss, R., & Amighi, K. (2009). *In vivo assessment of temozolomide delivery systems for inhalation therapy of lung cancer*. Paper session presented at Journée doctorale Pôle Santé (17/12/2009: Campus Erasme).

Depreter, F., & Amighi, K. (2009). *Formulation and characterisation of lipid-coated insulin dry particles for lung administration*. Paper session presented at 14th Forum of Pharmaceutical Sciences (14: 15/05/2009: Blankenberge, Belgium).

Pilcer, G., Goole, J., Van Gansbeke, B., bloklet, D., Knoop, C., Vanderbist, F., & Amighi, K. (2009). *In vivo evaluation of new tobramycin dry powder formulations in cystic fibrosis patients*. Poster présenté à la conférence 9ième journée des doctorants.

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