

# Liste de publications de Jonathan Goole

## Parties d'ouvrages collectifs

2011

Lindley, D., Carl, S. M., Herrera-Ruiz, D., Pan, L., Ward, L., Goole, J., Gudmundsson, O., & Knipp, G. (2011). Drug transporters and their role in absorption and disposition of peptides and peptides-based pharmaceuticals. In *Oral Bioavailability: Basic Principles, Advanced Concepts, and Applications*. USA: Ming Hu. doi:10.1002/9781118067598.ch18

## Articles dans des revues avec comité de lecture

2023

Goole, J., Haut, B., Lambert, P., Gomez, A., Rigaut, C., & Deruyver, L. (2023). In vitro Evaluation of Paliperidone Palmitate Loaded Cubosomes Effective for Nasal-to-Brain Delivery. *International Journal of Nanomedicine (Online)*.

2022

Calmet, H., Oks, D., Santiago, A., Houzeaux, G., Corfec, A. L., Deruyver, L., Rigaut, C., Lambert, P., Haut, B., & Goole, J. (2022). Validation and Sensitivity analysis for a nasal spray deposition computational model. *International journal of pharmaceutics*, 626, 122118. doi:10.1016/j.ijpharm.2022.122118

Rigaut, C., Deruyver, L., Goole, J., Haut, B., & Lambert, P. (2022). Instillation of a Dry Powder in Nasal Casts: Parameters Influencing the Olfactory Deposition With Uni- and Bi-Directional Devices. *Frontiers in Medical Technology*, 4. doi:10.3389/fmedt.2022.924501

2021

Bar, L., Perissinotto, F., Redondo-Morata, L., Giannotti, M., Goole, J., & Losada Perez, P. (2021). Interactions of hydrophilic quantum dots with defect-free and defect containing supported lipid membranes. *Colloids and surfaces. B, Biointerfaces*, 210, 112239.

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

Deruyver, L., Rigaut, C., Lambert, P., Haut, B., & Goole, J. (2021). The importance of pre-formulation studies and of 3D-printed nasal casts in the success of a pharmaceutical product intended for nose-to-brain delivery. *Advanced drug delivery reviews*, 113826. doi:10.1016/j.addr.2021.113826

Bar, L., Cordoyiannis, G., Neupane, S., Goole, J., Grosfils, P., & Losada Perez, P. (2021). Asymmetric Lipid Transfer between Zwitterionic Vesicles by Nanoviscosity Measurements. *Nanomaterials*, 11, 1087. doi:10.3390/nano11051087

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 pharmaceutics*, 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 pharmaceutics*, 597, 120337. doi:10.1016/j.ijpharm.2021.120337

## 2020

Bibissidis, N., Betlem, K., Cordoyiannis, G., Prista-von Bonhorst, F., Goole, J., Raval, J., Daniel, M., Gó#d#, W., Igli#, A., & Losada Perez, P. (2020). Correlation between adhesion strength and phase behaviour in solid-supported lipid membranes. *Journal of molecular liquids*, 320, 114492. doi:10.1016/j.molliq.2020.114492

Forbes, B., Bommer, R., Goole, J., Hellfritsch, M., De Kruijf, W., Lambert, P., Caivano, G., Regard, A., Schiaretta, F., Trenkel, M., Vecellio, L., Williams, G., Sonvico, F., & Scherließ, R. (2020). A consensus research agenda for optimising nasal drug delivery. *Expert opinion on drug delivery*, 17(2), 127-132. doi:10.1080/17425247.2020.1714589

## 2019

Ronchi, F., Sereno Guerra, A., Paide, M., Hennia, 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

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

Delpierre, S., Willocq, B., Manini, G., Lemaur, V., Goole, J., Gerbaux, P., Cornil, J., Dubois, P., & Raquez, J.-M. (2019). Simple Approach for a Self-Healable and Stiff Polymer Network from Iminoboronate-Based Boroxine Chemistry. *Chemistry of materials*.

## 2018

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

## 2017

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

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

Valkenier, H., Malyskyi, V., Blond, P., Retout, M., Mattiuzzi, A., Goole, J., Raussens, V., Jabin, I., & Bruylants, G. (2017). Controlled Functionalization of Gold Nanoparticles with Mixtures of Calix[4]arenes Revealed by Infrared Spectroscopy. *Langmuir*, 33(33), 8253-8259. doi:10.1021/acs.langmuir.7b02140

## 2016

Hecq, J., Amighi, K., & Goole, J. (2016). Development and evaluation of insulin-loaded cationic solid lipid nanoparticles for oral delivery. *Journal of drug delivery science and technology*, 36, 192-200. doi:10.1016/j.jddst.2016.10.012

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

## 2015

Doyen, M., Goole, J., Bartik, K., & Bruylants, G. (2015). Amino Acid Induced Fractal Aggregation of Gold Nanoparticles: Why and How. *Journal of colloid and interface science*, 464, 160-166. doi:10.1016/j.jcis.2015.11.017

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 pharmaceuticals*, 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

## 2014

Sombié, B., Yameogo, J., Semde, R., Henschel, V., Amighi, K., & Goole, J. (2014). Ciprofloxacin monoolein water gels as implants for the treatment of chronic osteomyelitis: In vitro characterization. *Agricultura policy paper*, 5(4), 158-163. doi:10.4103/2231-4040.143029

Marquette, S., Amighi, K., Goole, J., Peerboom, C., Yates, A., Denis, L., & Langer, I. (2014). Stability study of full-length antibody (anti-TNF alpha) loaded PLGA microspheres. *International journal of pharmaceuticals*, 470(1-2), 41-50. doi:10.1016/j.ijpharm.2014.04.063

## 2013

Marquette, S., Peerboom, C., Yates, A., Denis, L., Goole, J., & Amighi, K. (2013). Encapsulation of immunoglobulin G by solid-in-oil-in-water: Effect of process parameters on microsphere properties. *European journal of pharmaceuticals and biopharmaceutics*. doi:10.1016/j.ejpb.2013.10.013

Reeff, J., Gaignaux, A., Goole, J., Siepmann, J., Siepmann, F., Jérôme, C., Thomassin, J. M., De Vriese, C., & Amighi, K. (2013). Characterization and optimization of GMO-based gels with long term release for intraarticular administration. *International journal of pharmaceutics*, 451(1-2), 95-103. doi:10.1016/j.ijpharm.2013.04.079

Gaignaux, A., Reeff, J., De Vriese, C., Goole, J., & Amighi, K. (2013). Evaluation of the degradation of clonidine-loaded PLGA microspheres. *Journal of microencapsulation*.

Lallemand, B., Ouedraogo, M., Wauthoz, N., Lamkami, T., Mathieu, V., Jabin, I., Amighi, K., Kiss, R., Dubois, J., & Goole, J. (2013). Synthesis and plasma pharmacokinetics in CD-1 mice of a 18#-glycyrrhetic acid derivative displaying anti-cancer activity. *Journal of Pharmacy and Pharmacology*, 65(3), 402-410. doi:10.1111/j.2042-7158.2012.01603.x

## 2012

Reeff, J., Gaignaux, A., Goole, J., De Vriese, C., & Amighi, K. (2012). New sustained-release intraarticular gel formulations based on monolein for local treatment of arthritic diseases. *Drug development and industrial pharmacy*. doi:10.3109/03639045.2012.730529

Duret, C., Wauthoz, N., Merlos, R., Goole, J., Maris, C., Roland, I., Sebti, 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. *European journal of pharmaceutics and biopharmaceutics*, 81(3), 627-634. doi:10.1016/j.ejpb.2012.04.004

Gaignaux, A., Reeff, J., Siepmann, F., Siepmann, J., De Vriese, C., Goole, J., & Amighi, K. (2012). Development and evaluation of sustained-release clonidine-loaded PLGA microparticles. *International journal of pharmaceutics*, 437(1-2), 20-28. doi:10.1016/j.ijpharm.2012.08.006

## 2010

Goole, J., Lindley, D. J., Roth, W., Carl, S. M., Amighi, K., Kauffmann, J.-M., & Knipp, G. T. (2010). The effects of excipients on transporter mediated absorption. *International journal of pharmaceutics*, 393(1-2), 17-31. doi:10.1016/j.ijpharm.2010.04.019

## 2009

Amighi, K., & Goole, J. (2009). Levodopa delivery systems for the treatment of Parkinson's disease: an overview. *International journal of pharmaceutics*, 380(1-2), 1-15. doi:10.1016/j.ijpharm.2009.07.026

## 2008

Goole, J., Van Gansbeke, B., Pilcer, G., Deleuze, P., Blocklet, D., Goldman, S., Pandolfo, M., Vanderbist, F., & Amighi, K. (2008). Pharmacoscintigraphic and pharmacokinetic evaluation on healthy human volunteers of sustained-release floating minitables containing levodopa and carbidopa. *International journal of pharmaceutics*, 364(1), 54-63. doi:10.1016/j.ijpharm.2008.08.016

Goole, J., Amighi, K., & Vanderbist, F. (2008). Evaluation and floating enhancement of levodopa sustained release floating minitables coated with insoluble acrylic polymer. *Drug development and industrial pharmacy*, 34(8), 827-833. doi:10.1080/03639040801926683

Goole, J., Vanderbist, F., & Amighi, K. (2008). In vitro evaluation of two concepts of sustained release floating minitablets according to the model drug used. *Journal of drug delivery science and technology*, 18(2), 133-138.

Goole, J., Deleuze, P., Vanderbist, F., & Amighi, K. (2008). New levodopa sustained-release floating minitablets coated with insoluble acrylic polymer. *European journal of pharmaceuticals and biopharmaceutics*, 68(2), 310-318. doi:10.1016/j.ejpb.2007.06.017

Pilcer, G., Goole, J., Van Gansbeke, B., Blocklet, D., Knoop, C., Vanderbist, F., & Amighi, K. (2008). Pharmacoscintigraphic and pharmacokinetic evaluation of tobramycin DPI formulations in cystic fibrosis patients. *European journal of pharmaceuticals and biopharmaceutics*, 68(2), 413-421. doi:10.1016/j.ejpb.2007.05.005

#### 2007

Goole, J., Vanderbist, F., & Amighi, K. (2007). Development and evaluation of new multiple-unit levodopa sustained-release floating dosage forms. *International journal of pharmaceuticals*, 334(1-2), 35-41. doi:10.1016/j.ijpharm.2006.10.018

#### 2006

Hamdani, J., Goole, J., Moës, A., & Amighi, K. (2006). In vitro and in vivo evaluation of floating riboflavin pellets developed using the melt pelletization process. *International journal of pharmaceuticals*, 323(1-2), 86-92. doi:10.1016/j.ijpharm.2006.05.056

Goole, J., Hamdani, J., Vanderbist, F., & Amighi, K. (2006). In vitro and in vivo evaluation in healthy human volunteers of floating riboflavin minitablets. *Journal of drug delivery science and technology*, 16(5), 351-356.

### Rapports de recherche, comptes rendus, lettres à l'éditeur, working papers

#### 2008

Goole, J., & Amighi, K. (2008). *Évaluation pharmacoscintigraphique de mini-comprimés flottants à libération prolongée contenant de la levodopa et de la carbidopa.*

#### 2007

Goole, J., & Amighi, K. (2007). *Développement et évaluation de mini-comprimés flottants à libération prolongée contenant de la ciprofloxacine.*

#### 2006

Goole, J., & Amighi, K. (2006). *Développement et évaluation de mini-comprimés enrobés flottants à libération prolongée, séparation et dosage de la levodopa et la bensérazide par HPLC.*

Goole, J., & Amighi, K. (2006). *Développement et évaluation de mini-comprimés enrobés flottants à libération prolongée.*

Goole, J., & Amighi, K. (2006). *Développement et évaluation de mini-comprimés flottants à libération prolongée.*

#### 2005

Goole, J., & Amighi, K. (2005). *Développement et évaluation de granulés flottants à libération prolongée.*

Goole, J., & Amighi, K. (2005). *Etude in vivo de la capacité de flottabilité de mini-comprimés contenant de la riboflavine sur des volontaires sains humains.*

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

### 2022

Deruyver, L., Rigaut, C., Goole, J., Haut, B., & Lambert, P. (2022). *Optimisation of Nose-to-Brain Delivery for Patient with and without Septum Perforation.* Paper session presented at World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (13: 28 - 31 Mars 2022: Rotterdam).

### 2017

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

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).

### 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).

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).

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.

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.

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.

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.

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).

## 2010

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).

## 2009

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.

Goole, J. (2009). *Etudes des caractéristiques moléculaires et fonctionnelles des transporteurs peptidiques humains*. Paper session presented at Séminaire de l'école Doctorale (23 février 2009: ULB, Bruxelles, Belgique).

## 2008

Goole, J., Deleuze, P., Vanderbist, F., & Amighi, K. (2008). Development of new L-Dopa sustained-release multiple-unit floating system coated with insoluble acrylic polymer. *6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology* Abstract session presented at (Barcelona)

Lindley, D. J., Goole, J., Carl, S. M., & Knipp, G. T. (2008). *Establishment of a hPepT1-stably transfected human cell line: characterization of transporter expression and function*. Poster présenté à la conférence AAPS Annual Meeting and Exposition.

Carl, S. M., Lindley, D. J., Goole, J., & Knipp, G. T. (2008). *Intracellular localization of human peptide/histidine transporter 1 (hPHT1) in the human gastrointestinal adenocarcinoma cell line HT-29*. Poster présenté à la conférence AAPS Annual Meeting and Exposition.

Goole, J., Deleuze, P., Vanderbist, F., & Amighi, K. (2008). *Development of new L-Dopa sustained release multiple-unit floating system coated with insoluble acrylic polymer*. Poster présenté à la conférence 6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Carl, S. M., Lindley, D. J., Goole, J., & Knipp, G. T. (2008). *Proton-dependent oligopeptide transporter (POT)-mediated uptake in the novel blood-brain barrier cell line, hCMEC/D3*. Poster présenté à la conférence AAPS Annual Meeting and Exposition.

Goole, J., Vanderbist, F., & Amighi, K. (2008). Evaluation and floating enhancement of L-Dopa sustained-release floating minitabets coated with Eudragit® RL30D. *6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology* Abstract session presented at (Barcelona)

Goole, J., Vanderbist, F., & Amighi, K. (2008). *Evaluation and floating enhancement of L-Dopa sustained release floating minitabets coated with Eudragit RL30D*. Poster présenté à la conférence 6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (7th-10th April 2008: Barcelona, Spain).

## 2007

Goole, J., Vanderbist, F., & Amighi, K. (2007). Development and evaluation of new floating levodopa sustained release minitabets. *34th Annual meeting & Exposition of the Controlled Release Society* Abstract session presented at 34th Annual meeting & Exposition of the Controlled Release Society (Long Beach, USA)

Goole, J., Vanderbist, F., & Amighi, K. (2007). Development and evaluation of new multiple-unit sustained-release floating systems. *Société Belge des Sciences Pharmaceutiques* Abstract session presented at (Spa)

Goole, J., Vanderbist, F., & Amighi, K. (2007). Développement et évaluation de nouvelles formes pharmaceutiques flottantes à libération prolongée. *Journée de l'école doctorale* Abstract session presented at (ULB)

Goole, J., Vanderbist, F., & Amighi, K. (2007). *Development and evaluation of new floating levodopa sustained-release dosage form*. Poster présenté à la conférence 34th Annual meeting & Exposition of the Controlled Release Society (Long Beach USA).



Goole, J., Vanderbist, F., & Amighi, K. (2007). *Development and evaluation of new multiple-unit sustained-release floating systems*. Paper session presented at Journée des sciences pharmaceutiques belges (11 octobre 2007: Spa, Belgique).

## 2006

Goole, J., Hamdani, J., Vanderbist, F., & Amighi, K. (2006). *In vitro and in vivo evaluation in healthy volunteers of a new sustained-release floating dosage form*. Poster présenté à la conférence 5th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

Goole, J., Hamdani, J., Vanderbist, F., & Amighi, K. (2006). *In vitro and in vivo evaluation in healthy volunteers of riboflavin sustained-release floating minitablets*. *5th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology* Abstract session presented at 5th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology(Geneva)

Goole, J., Vanderbist, F., & Amighi, K. (2006). *Development of new floating levodopa sustained-release minitablets*. Poster présenté à la conférence Journée de l'Ecole Doctorale.

Goole, J. (2006). *Nouvelles tendances en Pharmacie Galénique*. Paper session presented at Coopération interuniversitaire ULB-UMH (16/12/2006: Mons, Belgique).

## Brevets

### 2019

Arrighi, A., Marquette, S., Denis, L., Peerboom, C., Goole, J., & Amighi, K. (2019). *Dry microparticles composition*.

Nober, C., Manini, G., & Goole, J. (2019). *3D printing compositions for modified-release pharmaceutical applications*.

### 2015

Ronchi, F., Goole, J., Amighi, K., Guillaume, G., & Stephenne, V. S. (2015). *Multilayered pharmaceutically active compound-releasing microparticles in liquid dosage form*.

Goole, J., Deleers, M., Fanara, D., & Amighi, K. (2015). *Pharmaceutical Formulation*.

### 2012

Reeff, J., Amighi, K., De Vriese, C., & Goole, J. (2012). *Sustained-release formulations useful in the treatment of diseases*.

Amighi, K., Reeff, J., Goole, J., & De Vriese, C. (2012). *Formulations useful in the treatment of osteoarticular diseases*.

### 2006

Vanderbist, F., Baudier, P., Deboeck, A., Amighi, K., & Goole, J. (2006). *Controlled-release floating dosage form comprising fusible binder and gaz generating agent*.

## Thèses et mémoires

### 2008

Goole, J. (2008). *Développement et évaluation de mini-comprimés flottants à libération prolongée* (Thèse doctorale non-publiée). Université libre de Bruxelles, Institut de pharmacie, Bruxelles.

### 2004

Goole, J. (2004). *Développement et évaluation de mini-comprimés bi-couches flottants à libération prolongée* (Mémoire non-publié). Université Libre de Bruxelles: Université Libre de Bruxelles.

## Direction de thèses

### 2021

Manini, G. (2021). *3D printed implantable dosage form containing an amorphous form of paliperidone palmitate* (Thèse doctorale non-publiée). Université de Mons, Faculté des Sciences, Laboratory of Polymeric and Composite Materials - Docteur en Sciences, Faculté de Pharmacie, Bruxelles.

Carlier, E. (2021). *Development of 3D printed implants for subcutaneous administration of sustained-release antibodies* (Thèse doctorale non-publiée). Université libre de Bruxelles, Faculté de Pharmacie, Bruxelles.

### 2019

Salade, L. (2019). *Development and Characterization of formulations for the nose-to-brain delivery of ghrelin and the management of cachexia* (Thèse doctorale non-publiée). Université libre de Bruxelles, Faculté de Pharmacie, Bruxelles.

### 2018

Chikh Alard, I. (2018). *DEVELOPMENT OF NOVEL MULTI-RESPONSIVE MATERIALS CHARACTERIZED BY POTENTIAL CONTROLLED RELEASE PROPERTIES* (Thèse doctorale non-publiée). Université libre de Bruxelles, Faculté de Pharmacie, Bruxelles.

### 2014

Marquette, S. (2014). *Stabilization and development of sustained-release formulations of protein/antibody for subcutaneous delivery* (Thèse doctorale non-publiée). Université libre de Bruxelles, Faculté de Pharmacie, Bruxelles.

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