

# DR STUART ALLEN JONES

CURRENT POST(S)	<b>Reader - Pharmaceuticals</b> , Pharmacy Dept., King's College London, UK	2019 – present
PREVIOUS APPOINTMENTS	<b>Senior Lecturer – Pharmaceuticals</b> , Pharmacy Dept. King's College London	2010 - 2019
	<b>Consultant Pharmacist</b> , Directorate of Rational Use of Medicines, Ministry of Health, Oman (12 month secondment)	2015 – 2016
	<b>Company Founder</b> , Porto Life Sciences, Oxford, UK (part-time post).	2008 – 2012
	<b>Lecturer - Pharmaceuticals</b> , Pharmacy Dept., King's College London, UK	2005 –2010
	<b>Pharmaceutical Consultant</b> , King's College London	2009 - present
	<b>Pharmaceutical Consultant</b> , MedPharm Ltd, Guildford, UK	2005 – 2009
	<b>Head of Research and Development</b> , MedPharm Ltd, UK	2004 –2005
	<b>Formulation Scientist</b> Pfizer Pharmaceuticals, UK	2001- 2002
EDUCATION	<b>PhD Drug Delivery</b> Pharmacy Dept., King's College London, UK	2002 –2005
	<b>Masters Degree in Academic Practice</b> King's Learning Institute, King's College London, UK	2013 – 2015
	<b>Masters Degree in Pharmacy</b> University of Nottingham, UK	1997 –2001
	<b>Diploma Academic Practice</b> King's Learning Institute, UK	2011 –2013
RESEARCH FUNDING	<b>Post-Doc Grant 'Engineering a topical hypobaric patch: A needle-free solution for biopharmaceutical drug administration into the skin'</b> (EPSRC) S. A. Jones	2019-2022 £568,560
	<b>Research Assistant Grant. Phosphorylated vitamins and oral health</b> (GSK Ltd) S. A. Jones and G. Carpenter	2019-2020 £28,000
	<b>Post-Doc Grant' Vasodilator nitric oxide donors'</b> (Syndermix Ltd.) <u>S. A. Jones</u> , S. Brain	2018-2019 £65,000
	<b>Hypobaric cytokine profiling a noninvasive means to characterise skin health during aging</b> RoseTrees Trust	2017-2020 £60,000
	<b>Multifunctional self-assembling ion-pair complexes</b> (EPSRC, Johnson and Johnson Ltd, UK) <u>S. A. Jones</u>	2013-2017 £112,630
	<b>The influence of barometric pressure changes upon membrane physiology and</b>	2013- 2017 £90,000

<b>xenobiotic penetration</b> (BBSRC, UK) <u>S. A. Jones</u>	
<b>In vitro biopharmaceutical evaluation of novel respiratory medicines for airway disease</b> (MRC, GlaxoSmithKline Ltd, UK) <u>S. A. Jones</u> , B. Forbes, C. Page	2011- 2015 £90,000
<b>The formation and delivery of novel drug-ion-pair combinations to the airways of the lung</b> (EPSRC, MedPharm Ltd, UK) <u>S. A. Jones</u> , C. Page	2009-2013 £90,000
<b>In Vivo Safety and Particokinetics of Inhaled Nanomedicines</b> (MRC, UK) S. A. Jones, B. Forbes, L. Daily, D. Spina. <u>C. Page</u>	2010-2013 £660, 000
<b>Mucus penetrating nanoparticles – a novel targeting strategy for the treatment of respiratory disease</b> (BBSRC, UK) <u>S. A. Jones</u>	2009-2013 £70,000
<b>Novel cosmetically acceptable methods of keratin manipulation to facilitate hair removal</b> (EPSRC and DTI, UK) <u>S. A. Jones</u>	2010- 2012 £121,600
<b>A fundamental investigation of the barrier properties of the human nail</b> (BBSRC, UK) <u>S. A. Jones</u> , M. B. Brown, M. Traynor, S. Murdan	2010-2012 £280,000
<b>Development of a novel self-assembling thermoregulation device to enhance transdermal drug delivery'</b> (EPSRC and MedPharm) <u>S. A. Jones</u>	2006-2010 £70,000
<b>A novel intranasal microencapsulated nanoparticle formulation</b> (BBSRC SBRI and MedPharm Ltd) <u>S. A. Jones</u> , M. B. Brown,	2006-2008 £203,000
<b>The development of a novel self-assembling patchless-patch (Medspray) for topical drug delivery</b> (SEEDA) <u>S. A. Jones</u> M. B. Brown.	2005-2009 £230,000
<b>Engineering of novel nanofoams</b> (BBSRC Dorothy Hodgkin award) <u>S. A. Jones</u>	2005-2009 £75,000
<b>'Novel topical formulations for ungula drug delivery'</b> (BBSRC SBRI with MedPharm)	£215,000 2005-2007
<b>Iontophoresis induced collagen production</b> (Transport Pharmaceuticals) <u>S. A. Jones</u> , M. B. Brown.	2005-2009 £110,000
<b>Novel topical formulations for ungula drug delivery</b> (MedPharm Ltd studentship) S. A. Jones, <u>M. B. Brown</u> .	2005-2008 £67,000

RESEARCH  
PUBLICATIONS

H-index (19  
Scopus)

Harper, R. A., Petersen, L., Saleh, M.M., Proctor, G. B., Carpenter, G. H., Gambogi, R., Hider, R., Jones, S.A. Targeting macrophages and their recruitment in the oral cavity using swellable (+) alpha tocopheryl phosphate nanostructures, *Nanomedicine: Nanotechnology, Biology and Medicine*. (2019) 21: 102010

Chen, H. Mansfield, E.D.H., Woods, A., Khutoryanskiy, V.V., Forbes, B., Jones, S.A. Mucus penetrating properties of soft, distensible lipid nanocapsules *European Journal of Pharmaceutics and Biopharmaceutics*. (2019) 139, pp 76-84.

Harper, R.A., Saleh, M.M., Carpenter, G., Abbate, V., Proctor, G., Harvey, R.D., Gambogi, R.J., Geonnotti, A., Hider, R., Jones, S.A. Diminishing biofilm resistance to antimicrobial nanomaterials through electrolyte screening of electrostatic interactions *Colloids and Surfaces B: Biointerfaces*. (2019) 173 (1), pp 392-399.

Benaouda, F., Jones, S.A., Chana, J., Dal Corno, B.M., Barlow, D.J., Hider, R.C., Page, C.P., Forbes, B. Ion-Pairing with Spermine Targets Theophylline to the Lungs via the Polyamine Transport System (2018) *Molecular Pharmaceutics*, 15 (3), pp. 861-870.

Harper, R.A., Saleh, M.M., Carpenter, G., Abbate, V., Proctor, G., Harvey, R.D., Gambogi, R.J., Geonnotti, A., Hider, R., Jones, S.A. Soft, adhesive (+) alpha tocopherol phosphate planar bilayers that control oral biofilm growth through a substantive antimicrobial effect (2018) *Nanomedicine: Nanotechnology, Biology, and Medicine*, . Article in Press.

Cai, X.J., Mesquida, P., Jones, S.A. Investigating the ability of nanoparticle-loaded hydroxypropyl methylcellulose and xanthan gum gels to enhance drug penetration into the skin (2016) *International Journal of Pharmaceutics*, 513 (1-2), pp. 302-308.

Patel, A., Keir, S.D., Brown, M.B., Hider, R., Jones, S.A., Page, C.P. Using Salt Counterions to Modify  $\beta$ 2-Agonist Behaviour in Vivo (2016) *Molecular Pharmaceutics*, 13 (10), pp. 3439-3448.

Chen, H., Woods, A., Forbes, B., Jones, S. Controlled drug release from lung-targeted nanocarriers via chemically mediated shell permeabilization (2016) *International Journal of Pharmaceutics*, 511 (2), pp. 1033-1041.

Patel, A., Woods, A., Riffo-Vasquez, Y., Babin-Morgan, A., Jones, M.-C., Jones, S., Sunassee, K., Clark, S., De Rosales, R.T.M., Page, C., Spina, D., Forbes, B., Dailey, L.A. Lung inflammation does not affect the clearance kinetics of lipid nanocapsules following pulmonary administration (2016) *Journal of Controlled Release*, 235, pp. 24-33.

Inacio, R., Barlow, D., Kong, X., Keeble, J., Jones, S.A. Investigating how the attributes of self-associated drug complexes influence the passive transport of molecules through biological membranes (2016) *European Journal of Pharmaceutics and Biopharmaceutics*, 102, pp. 214-222.

McAuley, W.J., Jones, S.A., Traynor, M.J., Guesné, S., Murdan, S., Brown, M.B. An investigation of how fungal infection influences drug penetration through onychomycosis patient's nail plates (2016) *European Journal of Pharmaceutics and Biopharmaceutics*, 102, pp. 178-184.

Cai, X.J., Patel, T., Woods, A., Mesquida, P., Jones, S.A. Investigating the influence of drug aggregation on the percutaneous penetration rate of tetracaine when applying low doses of the agent topically to the skin (2016) *International Journal of Pharmaceutics*, 502 (1-2), pp. 10-17.

Cai, X.J., Woods, A., Mesquida, P., Jones, S.A. Assessing the Potential for Drug-Nanoparticle Surface Interactions to Improve Drug Penetration into the Skin (2016) *Molecular Pharmaceutics*, 13 (4), pp. 1375-1384.

Inacio, R., Poland, S., Cai, X.J., Cleary, S.J., Ameer-Beg, S., Keeble, J., Jones, S.A. The application of local hypobaric pressure - A novel means to enhance macromolecule entry into the skin (2016) *Journal of Controlled Release*, 226, pp. 66-76.

Fiala, S., Roman, M., Inacio, R., Mashal, S., Brown, M.B., Jones, S.A. New insights into eutectic cream skin penetration enhancement (2016) *International Journal of Pharmaceutics*, 499 (1-2), pp. 403-411.

Benaouda, F., Jones, S.A., Martin, G.P., Brown, M.B. Localized Epidermal Drug Delivery Induced by Supramolecular Solvent Structuring (2016) *Molecular Pharmaceutics*, 13 (1), pp. 65-72.

Dailey, L.A., Hernández-Prieto, R., Casas-Ferreira, A.M., Jones, M.-C., Riffo-Vasquez, Y., Rodríguez-Gonzalo, E., Spina, D., Jones, S.A., Smith, N.W., Forbes, B., Page, C., Legido-Quigley, C. Adenosine monophosphate is elevated in the bronchoalveolar lavage fluid of mice with acute respiratory toxicity induced by nanoparticles with high surface hydrophobicity (2015) *Nanotoxicology*, 9 (1), pp. 106-115.

Jones, S.A., Fiala, S., Brown, M.B. Eutectic systems for penetration enhancement (2015) *Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement: Drug Manipulation Strategies and Vehicle Effects*, pp. 163-173.

Chana, J., Forbes, B., Jones, S.A. Triggered-release nanocapsules for drug delivery to the lungs (2015) *Nanomedicine: Nanotechnology, Biology, and Medicine*, 11 (1), pp. 89-97.

Baraldi, A., Jones, S.A., Guesné, S., Traynor, M.J., McAuley, W.J., Brown, M.B., Murdan, S. Human Nail Plate Modifications Induced by Onychomycosis: Implications for Topical Therapy (2015) *Pharmaceutical Research*, 32 (5), pp. 1626-1633.

Jones, M.-C., Jones, S.A., Riffo-Vasquez, Y., Spina, D., Hoffman, E., Morgan, A., Patel, A., Page, C., Forbes, B., Dailey, L.A.

Quantitative assessment of nanoparticle surface hydrophobicity and its influence on pulmonary biocompatibility (2014) *Journal of Controlled Release*, 183 (1), pp. 94-104.

Teixeira, R.S., Veiga, F.J.B., Oliveira, R.S., Jones, S.A., Silva, S.M.C., Carvalho, R.A., Valente, A.J.M. Effect of Cyclodextrins and pH on the permeation of tetracaine: Supramolecular assemblies and release behaviour (2014) *International Journal of Pharmaceutics*, 466 (1-2), pp. 349-358.

Baraldi, A., Khengar, R.H., Murdan, S., Traynor, M.J., Jones, S.A., Brown, M.B. The effect of disulphide bond disruption on the barrier integrity of the human nail (2014) *Issues in Toxicology*, pp. 101-112.

Zhao, Y., Alas'Ad, M.A., Jones, S.A. Modifying theophylline microparticle surfaces via the sequential deposition of poly(vinyl alcohol-co-vinyl acetate) copolymers (2014) *International Journal of Pharmaceutics*, 463 (1), pp. 27-30.

Benaouda, F., Bachoo, Z., Brown, M.B., Martin, G.P., Jones, S.A. In situ self assembly of soft diclofenac loaded microparticles in superstructured fluids (2013) *Soft Matter*, 9 (42), pp. 10165-10173.

Reid, M.L., Benaouda, F., Khengar, R., Jones, S.A., Brown, M.B. Topical corticosteroid delivery into human skin using hydrofluoroalkane metered dose aerosol sprays (2013) *International Journal of Pharmaceutics*, 452 (1-2), pp. 157-165.

Benaouda, F., Brown, M.B., Shah, B., Martin, G.P., Jones, S.A. The influence of self-assembling supramolecular structures on the passive membrane transport of ion-paired molecules (2012) *International Journal of Pharmaceutics*, 439 (1-2), pp. 334-341.

Benaouda, F., Brown, M.B., Martin, G.P., Jones, S.A. Triggered in situ drug supersaturation and hydrophilic matrix self-assembly (2012) *Pharmaceutical Research*, 29 (12), pp. 3434-3442.

Benaouda, F., Brown, M.B., Ganguly, S., Jones, S.A., Martin, G.P. Discriminating the molecular identity and function of discrete supramolecular structures in topical pharmaceutical formulations (2012) *Molecular Pharmaceutics*, 9 (9), pp. 2505-2512.

Wood, D.G., Brown, M.B., Jones, S.A. Understanding heat facilitated drug transport across human epidermis (2012) *European Journal of Pharmaceutics and Biopharmaceutics*, 81 (3), pp. 642-649.

Zhao, Y., Brown, M.B., Khengar, R.H., Traynor, M.J., Barata, P., Jones, S.A. Pharmacokinetic evaluation of intranasally administered vinyl polymer-coated lorazepam microparticles in rabbits (2012) *AAPS Journal*, 14 (2), pp. 218-224.

Grainger, C.I., Saunders, M., Buttini, F., Telford, R., Merolla, L.L., Martin, G.P., Jones, S.A., Forbes, B. Critical characteristics for corticosteroid solution metered dose inhaler bioequivalence (2012) *Molecular Pharmaceutics*, 9 (3), pp. 563-569.

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