

# CURRICULUM VITAE / RESUMÉ

**Dr. Julian Keogh**

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## WORK EXPERIENCE

### Director

March 1996 – May 2011

#### **Academic Services, Lübeck, Germany**

Since 1996 I have been the sole proprietor of Academic Services where I have supplied a range of services primarily to academics and companies in the fields of pharma and biomedicine. My services have included specialist translation for medicine and pharma (pharma registration documents, SmPCs, PILs, expert witness reports, discharge reports, guidelines, patents, medical textbooks and atlases, medical and scientific manuscripts, SOPs, MSDSs, clinical trial documentation, government documents, contracts). I have also carried out translations for the environmental sciences, biological sciences, chemistry, legal translations, business translations and a variety of other areas. I have managed several large-scale projects where I had to outsource and manage these. Apart from translation, I also copy edited and proof-read scientific and medical manuscripts, also carrying out plausibility checks. I also text crunched other manuscripts where I had considerable independence in reformulating medical and scientific manuscripts to suit requirements for publication and peer editors (this was in so small way assisted by my own biomedical background). I also offered telephone and meeting based assistance to medics and scientists preparing their own seminars and presentations. I was generally respected as a peer academic when providing such assistance. In running my business, I also acquired skills in managing and optimising PPC marketing campaigns, analysing website traffic, developing websites and web applications, programming HTML, PHP and Javascript, managing content management systems and databases.

May 2011 – present

In 2011 I relocated my business to the UK where it has been operating under the name **Pharmacad Services** (and sometimes under my own real name as a freelancer). I moved partly to look after my aging mother who sadly passed away in August 2016

## **Postdoctoral Scientist (Wiss. Ass.)**

July 1992 - September 1995

**Department of Toxicology, Medical University of Lübeck, Germany**

Investigated how heavy metals exert toxicity towards cultured intestinal cells. Investigated roles of apoptosis and other factors in determining sensitivity of gastrointestinal tumour cells towards chemotherapeutic agents. Characterization of H2 receptors on tumour cells of different origin. Teaching toxicology to medical students (in German). Supervision of medical doctoral students.

## **Post-doctoral scientist**

May 1989 - May 1992

**UMDNJ, Newark, New Jersey, USA**

Investigated EGF, its receptor, and tissue transglutaminase in the gastrointestinal tract both in vivo and in vitro. Also studied role of tissue TGA in colorectal carcinoma metastasis (also using the MICS membrane invasion system), and the effects of retinoids and tumour promoters on this process. Experience in tumour cell tissue culture, cell sub-fractionation procedures, enzymology, protein purification and characterization procedures (e.g. Western Blotting), fluorimetry and in vivo and in vitro pharmacology.

## **Post-doctoral scientist**

February 1987 - April 1989

**Hoffmann La-Roche, Basel, Switzerland**

Studied biochemical pharmacology of gastric mucin synthesis and secretion in mammalian in vivo and in vitro models as part of a pharmaceutical research programme developing treatments for upper GI disorders. Method developed for specific measurement of mucin synthesis and secretion in primary cultures of guinea pig gastric mucous cells. Regulation by secondary messenger mimetics and retinoids investigated. Pepsin and mucin analysis by HPLC. Work demanded expertise in maintenance of tissue cultures, high molecular weight glycoprotein characterization, cellular pharmacology, and mucin/proteoglycan biochemistry. Also involved in initial phases of a study set up to investigate the feasibility of a programme to develop new treatments for post-menopausal osteoporosis. Developed knowledge of French and German in a working environment.

## **EDUCATION**

### **Vocational training**

April 1996 - October 1996

**Pharma Management Academy, Hamburg, Germany**

Areas studies: Marketing (Conception, Analysis, Planning, Implementation and Control), Business studies, Economics, German Civil and Business Law, Accounting/Financial matters,

and Software use (MS Word, Access, Excel). Graduated course with "good" grade.

Finished with a 2 grade (good).

## **Doctorate**

January 1984 - January 1987

**University of Newcastle-upon-Tyne, Dept. of Physiological Sciences**

Title: Studies on gastroduodenal mucus and bicarbonate in vitro (accepted 12/89).

Worked in two laboratories (A. Allen, Newcastle, and A. Garner, ICI, Cheshire) interested in understanding mechanisms by which the upper GI tract protects itself against endogenous secretions and exogenous damaging factors, and how these mechanisms function in health and disease. A number of physiological, pharmacological, electrophysiological and biochemical techniques for measuring mucus and bicarbonate production were mastered. Taught and lectured to pre-clinical dental and medical students.

## **Bachelor's Degree**

October 1980 – June 1983

**University of Edinburgh, Scotland**

First two years: Chemistry, Zoology, Physiology, Pharmacology, Biochemistry and Molecular Biology. Final year: Honours in Biochemistry. Course focussed on aspects of membrane biochemistry, regulation of cellular and whole-body metabolism, and molecular biology. Research project undertaken on in vitro regulation of rat liver acyl CoA: cholesterol acyl transferase by covalent phosphorylation.

Graduated as B.Sc. Biological Sciences, Hons. Biochemistry (2:1)

## **Secondary School**

September 1973 - June 1980

**Battersea Salesian College, Battersea, London, England**

"O" Levels:(1977) Geography (A), History (Engl.) (B), English (C)

"O" Levels:(1978) Music (A), Mathematics (A), Biology (A), Physics (B), Chemistry (B), French (C)

"A" Levels:(1980) Chemistry (B), Biology (B), Physics (B)

## **SKILLS**

Teaching (university students)	Intermediate
Biomedical Research	Advanced
Teaching (English)	Intermediate
MS Office	Advanced
Musical performance (Singing, Guitar, Piano, Bass)	Advanced
Seminar delivery	Advanced
Peer Reviewing for Medical/Scientific Journals	Advanced

Authoring of scientific/medical manuscripts	Advanced
Musical composition (music and lyrics, English and German)	Advanced

## **SOFTWARE SKILLS (primarily MS Windows based)**

MS Office (Word, Access, Excel, Powerpoint)	Advanced
Translation software: (Wordfast, Trados Studio 2017, MemoQ, Memsource, GTSuite, TM Management)	Advanced
Music composition and production (Cubase, Sibelius)	Advanced
Graphic design (Gimp, Photoimpact)	Intermediate
Video production (Adobe After Effects)	Intermediate
Webdesign (SwishMax for flash production, Artisteer)	Intermediate
CMS Management (Joomla up to 3.5)	Intermediate
Database management (MySQL)	Intermediate
Virtual server management (Amazon EC2)	Intermediate
HTML, PHP and Javascript programming	Intermediate
Web application programming	Intermediate
Google Adwords management (including optimisation)	Intermediate
Google Analytics management	Intermediate

## **LANGUAGES**

English	Fluent (mother tongue)
French	Intermediate
German	Fluent
Russian	Beginner
Polish	Beginner

## **PROFESSIONAL MEMBERSHIPS / AFFILIATIONS**

American Association of Cancer Research (lapsed)  
 Deutsche Gesellschaft für Experimentelle und Klinische Pharmakologie und Toxikologie (lapsed)  
 GEMA  
 Peer Music Germany - Edition Gardenhouse

## Publications

1. A. Allen, A. Garner and J.P. Keogh. The gastric mucus : bicarbonate barrier. in Gastric carcinomas, ed. M.I. Filipe & J.R. Jass, Raven Press, NY, NY, pp. 256-273 (1986)
2. A. Allen, A. Garner, A. Hunter and J.P. Keogh. The gastroduodenal barrier and the place of eicosanoids. In Advances in Eicosanoid Research: Eicosanoids and the GI tract, ed. by Keith Hillier, MTP Press Ltd. , Lancaster, UK, pp. 195-214 (1988)
3. B.L. Slomiany, J. Liu, Y.Ping, C.Y. Wu-Wang, J.P. Keogh, S.L. Wang and A. Slomiany. Characterization of the epidermal growth factor receptor in gastric mucosa. Digestion 47:181-190 (1990)
4. B.L. Slomiany, K. Mizuta, J. Keogh, and A. Slomiany. Sucralfate protection of gastric mucosa against alcohol-induced injury: A phosphoinositide mediated process. Biochem Int 21: 555-562 (1990)
5. K.A. Zirvi, J.P. Keogh, A. Slomiany and B.L. Slomiany. Transglutaminase activity in colorectal carcinomas of differing metastatic potential. Cancer Lett 60: 85-92 (1991)
6. W.J. Bielanski, J.P. Keogh, S.L. Wang, J. Liu, S.J. Konturek, A.Slomiany and B.L. Slomiany. Transforming growth factor- $\alpha$  binds to the epidermal growth factor receptor of gastric mucosa. Biochem Int 25: 419-427 (1991)
7. J.P. Keogh, A. Edelmann and A. Fischli. Chromatographic measurement of mucin production in cultures of gastric mucous cells. Biochem Int 25: 621- 630 (1991)
8. B.L. Slomiany, J. Liu, J.P. Keogh, J. Piotrowski and A. Slomiany. Enhancement of gastric mucosal epidermal growth factor and platelet-derived growth factor receptor expression by sucralfate. Gen Pharmacol 23: 715-718 (1992)
9. J.P. Keogh. K.A. Zirvi, S. Vossough, A. Slomiany and B.L. Slomiany. Pharmacological alterations of cellular transglutaminase activity and invasiveness in human colorectal carcinoma cells. Cancer Biochem Biophys 13: 209-220 (1993)
10. J.P. Keogh, B. Steffen and C-P. Siegers. Cytotoxicity of heavy metals in the human small intestinal epithelial cell line I-407: Possible role of glutathione. J Toxicol Environ Health 43: 351-359 (1994)
11. J.P. Keogh and C-P. Siegers. Influences on the gastrointestinal system by essential and toxic metals. in Toxicology of Metals (L. Chang ed.), Chapter 58:, CRC Press, Boca Raton, FL (1995)
12. B.N.C. Prichard, P. Dominiak and J.P. Keogh. Moxonidine. In Messerli: Cardiovascular Drug Therapy, Chapter 68:, W.B. Saunders, Philadelphia, PA (1995)
13. J.P. Keogh, A. Allen, and A. Garner. The dynamics of gastric mucus. Lack of coupling between biosynthesis and secretion of mucus glycoprotein. Submitted for publication in Biochemical Pharmacology
14. O. Strubelt, J. Kremer, A. Tilse, J. Keogh, R. Pentz. Comparative studies on the toxicity of mercury, cadmium and copper towards the isolated perfused rat liver. J Toxicol Environ Health 47: 267-283 (1996)
15. C.-P. Siegers, J.P. Keogh. Eisen: Ein Risikofactor für Krebserkrankungen ? Z. Onkol 28: 1-6 (1996)

## Abstracts

1. A. Garner, J.R. Heylings, J.P. Keogh, A.M. Stanier and J.M. Wilkes. Pharmacologic modulation of duodenal bicarbonate secretion. *Dig Dis Sci* 30: 376 (1985)
2. A. Garner, J.R. Heylings, J.P. Keogh, A.M. Stanier and J.M. Wilkes. Stimulants of duodenal bicarbonate secretion in vitro. *Digestion* 31: 163 (1985)
3. J.P. Keogh, A.M. Stanier, J.R. Heylings, A. Allen and A. Garner. The effects of eicosanoids on amphibian duodenal bicarbonate secretion in vitro. *Gut* 26: P27 (1986).
4. J.P. Keogh, S. McQueen, A. Allen, and A. Garner. Secretion of adherent mucus gel by amphibian gastric mucosa in vitro. *Gut* 26: P26 (1986)
5. A. Allen, A. Garner, A. Hunter and J.P. Keogh. Measurement of gastric mucus biosynthesis and secretion in the rat and frog. *J Physiol (London)* 391: 36P (1987)
6. J.P. Keogh, K.A. Zirvi, A. Slomiany and B.L. Slomiany. Abstracts submitted to 1): FASEB 1991, 2) AACR 1991, and AGA 1991 (in *Gastroenterology* 100: A374 (1991) concerning Transglutaminase activity in human colorectal carcinomas of differing metastatic potential.
7. J.P. Keogh, J. Liu, S.L. Wang, A. Slomiany and B.L. Slomiany. Tissue transglutaminase and the EGF receptor system in rat liver. *Gastroenterology* 100: A760 (1991)
8. J.P. Keogh, J. Piotrowski, A. Slomiany, and B.L. Slomiany. Effect of ganglioside GM1 on rat gastric mucosal transglutaminase activity. *Gastroenterology* 100: A648 (1991)
9. W.J. Bielanski, J. Liu, S.L. Wang, J.P. Keogh, A. Slomiany and B.L. Slomiany. Transforming growth factor- $\alpha$  binds with lower affinity to the epidermal growth factor receptor than does epidermal growth factor. *Gastroenterology* 100: A631 (1991)
10. J. Liu, J.P. Keogh, C. Kasinathan, A. Slomiany and B.L. Slomiany. The effect of putrescine on EGF receptor autophosphorylation in vitro. *Gastroenterology* 100: A652 (1991)
11. C.-P. Siegers and J.P. Keogh. Cytotoxicity of heavy metals in the human small intestinal epithelial cell line I-407. *The Toxicologist* 13: 82 (1993)
12. H.C. Bostelmann, J.P. Keogh and C.P. Siegers. Effects of combinations of cimetidine and coumarin on human tumor cell proliferation in vitro. *The Toxicologist* 13: 316 (1993)
13. C.-P. Siegers and J.P. Keogh. Effects of cimetidine on human tumor cell proliferation in vitro. *Archiv Pharmacol* 348: R170 (1994)
14. J.P. Keogh and C.-P. Siegers. Factors influencing cisplatin induced toxicity towards gastric tumor and embryonic intestinal cells. Submitted for 1995 DGPT Congress, Mainz, Germany (to appear in *Archives of Pharmacology*).