



ALFRED ISHU BAYATI, MSc, Ph.D.

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IN VIVO PHYSIOLOGIST / Certified PRINCE2 TRIAL MANAGER

Accomplished Medical Science professional with extensive experience in physiological / PK & PD R&D, clinical and preclinical research, data analysis and interpretation. Deep experience in international clinical trial management. Acknowledged expert in conceptualising and formulating physiological and pharmacological *in vivo* models and developing data analysis algorithms for proper interpretation of the results that drive major business decisions. Highly skilled at developing equipment and computer programs to facilitate scientific study, and in creating and analysing research databases. Areas of expertise:

In Vivo Studies • Data Analysis & interpretation • Regulatory Documentation • Research & Development • Project Management • Scientific Database Development • Modeling New Business Development • International Clinical Trials • Scientific Documentation • Reporting Problem Resolution • Software Development • Team Building / Leadership • Training • Mentoring • Cross-Functional Teams

PROFESSIONAL EXPERIENCE

Information Technology & Medical Consulting Sweden, Gothenburg, Sweden • 2011

The goal of the company are two folds:

- 1) The goal of the digital software production of the company is to deliver personalized, user friendly software helping the company in its daily routines.
- 2) The goal of the medical consulting of the company is to assist, large and small companies involved in medical research and drug development, in designing, planning, performing of clinical trials and preclinical studies including, but not limited to, data collection, analysis, interpretation and reporting of the findings.

ARCHIMED MEDICAL COMMUNICATION AG, Zofingen, Switzerland • 2009-2010

Small company preparing regulatory and scientific documents for pharmaceutical companies. About 15 employees.

Medical Advisor

Read scientific literature and extract information necessary for regulatory document preparation, then proofed completed documents for content and scientific accuracy. Educated staff in physiological and pharmacological terminology and proper context for usage.

Major Contributions:

- Supervised and managed development of different regulatory documents such as CER, SPC, package insert, CIOMS, meetings, symposiums etc.
- Leveraged scientific expertise and professional network to develop new clients and expand existing business.

ASTRAZENECA R&D MÖLNDAL, Mölndal, Sweden • 1990-2008

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Innehar F-Skatt



Large international pharmaceutical company developing cardiovascular, gastrointestinal, immunology, infection and other drugs. More than 50,000 employees worldwide.

Principal Scientist, Discovery Medicine (2005-2008)

Conceptualised and managed development, data analysis and interpretation of an international clinical trial to guide corporate decisions critical to serving the functional gastrointestinal disorder market. Interfaced, in the role of study manager and scientific expert, with study partners around the world, making on-site visits to hospitals conducting studies, analysing data generated in studies, and determining follow-on activities. Led research teams of 15-20 gastroenterologists, nurses, scientists, laboratory personnel and regulatory specialists.

Major Contributions:

- Developed, managed, analyzed data and interpreted the results of the first large-scale international database clinical trial containing both physiological and clinical data for patients with functional gastrointestinal disorders, enabling verification of associated research.
- Pioneered and managed a working relationship between a pharmaceutical industry research group and university research groups in Sweden, Norway and Canada, integrating different agendas to form a mutually beneficial database.
- Received AstraZeneca Global Scientific & Technical Achievement Award.

ASTRAZENECA R&D MÖLNDAL Continued

Scientific Advisor, Experimental Medicine (2000-2005)

Assembled and managed a team of scientific professionals to translate a scientific research model for functional gastrointestinal disorders from animals to man. Developed the translation instrument in the lab, collected, analyzed and interpreted data and wrote the computer program needed to control related equipment. Conferred with group members daily to assess progress, discuss roadblocks and agree how to resolve issues and problems. Gathered feedback from patients and nurses, using the information to improve the system.

Major Contributions:

- Reached the goal of translating a key physiological *in vivo* model from animals to humans, discovering the correct algorithm, developing related techniques for human testing, and enabling the launch of related studies.
- Pioneered development of a distension device used in clinical studies and patented in the United States.

Associate Director of Gastrointestinal Pharmacology, Preclinical R&D (1990-2000)

Examined old questions in new ways to drive innovative research. Developed physiological and PK/PD integrative *in vivo* R&D models in animals, employing various scientific techniques and developing related databases. Defined new projects and led model development. Screened chemical compounds to understand their pharmacological effects.

Major Contributions:

- Discovered numerous *in vivo* models utilised in various tests, including the model translated for human patients in the Experimental Medicine role.

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- Developed new data analysis algorithms and improved the existing models to improve the research.
- Saved company time and money by demonstrating lack of commercial viability of some researched paths.
- Discovered new disease aspects that drove additional research and projects.
- Established status as an expert in physiological and pharmacological *in vivo* model development.

Career Note: Additional roles include Assistant Teacher, Medical Faculty, Department of Medical Physiology, Uppsala University.

EDUCATION

Ph.D. in Medical Physiology

Uppsala University, Uppsala, Sweden

Master of Science in Pharmacy

Uppsala University, Uppsala, Sweden

Extensive Coursework in Medicine

Azarabadegan University, Tabriz, Iran

LANGUAGE FLUENCY

English • Swedish
Persian

CERTIFICATES & COMPUTER SKILLS

PRINCE2 Certified
Certified LabView Associate Developer (CLAD)

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