

Curriculum Vitae - Doug Dean
Vogelsangweg 5a, 6390 Engelberg, Switzerland
+41-79-321-5679 doug.dean@mac.com

A seasoned senior executive/biomedical engineer with over 30 years' experience in Fortune 100 companies in the health care and fast-moving consumer goods sectors. Substantial advisory experience with large multinationals in Asia Pacific, North America and Europe. A strong motivational leader with proven business and people-development capabilities.



SKILLS

- Strategic planning and growth.
- Leadership and communication.
- Implementation of radical transformations.
- Management of complex innovation environments.

EXPERIENCE

Predictably Human

01.2021-present Co-Founder. Product Development & Regulatory Affairs

Engineering and product development for a US medtech startup using aerosol drug delivery systems and advanced precision micro dosage technology in support of highly individualized therapies for narrow therapeutic index actives in treatment areas such as substance abuse, renal failure, and oncologic monoclonal antibodies.

octane126 Ferrari Racing (Switzerland)

04.2009-present Client Driver

Okanagan Hockey Academy (Europe)

01.2015-12.2017 Assisting with the establishment of further European academies

Working for the love of the game to support the oldest hockey school in Canada.

Philip Morris International

07.2006-12.2014 Senior Vice President, Research & Development and Next Generation Products

Executive Officer of the Corporation (until 2012).

Strategic Advisor to SVP R&D (until 2014).

With an annual budget of over \$400 million, led a group of 500 engineers and scientists to create reduced-harm next generation products. Architected, implemented and led a radical R&D transformation. Architected a regulatory strategy for reduced-harm tobacco products. Led acquisition of biotech companies to create a plant molecular farming capability to produce low-cost vaccines. Led development of reduced harm technologies for next generation tobacco products.

IBM Business Consulting Services

(Until 09.2002 PricewaterhouseCoopers Consulting)

10.2002-06.2006 Life Sciences/Pharmaceuticals

Managing Partner / Vice President – led an international practice group of 1200.

Approximately one-hundred engagements with health care products manufacturers.

PricewaterhouseCoopers Consulting

(Until 06.1998 Coopers & Lybrand)

1994-09.2002 Global Pharmaceutical Practice

Partner - led an international practice group of 600.

Approximately four-hundred engagements with health care products manufacturers.

Member, FDA PAT Advisory Committee to the Office of Pharmaceutical Sciences.

In-camera advisor to the FDA Commissioner concerning quality by design (QBD).

Digital Equipment Corporation Europe

1991 - 1994 Process Manufacturing Solutions Business Development, Europe

Director

Delivered marketing programs for business development in the manufacturing sector.

Curriculum Vitae - Doug Dean
Vogelsangweg 5a, 6390 Engelberg, Switzerland
+41-79-321-5679 doug.dean@mac.com

Rockwell International, Allen Bradley Group & Integrated Automation Systems

1986 - 1991 *Process Manufacturing Centre of Excellence, Canada & United Kingdom*
Director of Research & Development / European Marketing
Directed development of a suite of software and electronic automation products.

Shaughnessey Hospital Medical Engineering Research Unit, Canada

1981 - 1986 *Research & Development*
Project Manager
Led ground-breaking projects in orthopaedic surgery and prosthetic development.

HAL Devices Ltd, Canada

1975 - 1979 *Co-Director*
Formed this company with a fellow engineering student to pay university tuition.
Assembled kit-computers loaded with custom software for sale to retail pharmacies.

BOARD & ADVISORY APPOINTMENTS

2009-2015 *The International School of Basel, Switzerland*
International Baccalaureate private school with \$45.0 Mio turnover.
2006-2012 *FTR Holding SA, Neuchâtel, Switzerland*
Philip Morris holding company. \$8.5 Bio. revenue.
2008-2012 *Philip Morris International Research Laboratories Pte. Ltd., Singapore*
In-vitro research laboratory facility.
2000-2005 *PricewaterhouseCoopers & IBM Life Sciences Consulting*
International practice development and governance for an \$800 Mio practice.

FORMAL EDUCATION

- PhD 1985, The University of British Columbia, Canada, Electrical Engineering (Bioelectronics).
- BAsC 1978, The University of British Columbia, Canada, Engineering Physics (Fluid Dynamics).

PROFESSIONAL AFFILIATIONS

- Former Member, FDA PAT Advisory Committee to the Office of Pharmaceutical Science.
- Associate Member, Parenteral Drug Association.
- Member, International Society of Pharmaceutical Engineers.
- Member, Institute of Electrical and Electronics Engineers.
- Member, New York Academy of Sciences.
- Member, Canadian Society of Theoretical Biologists.
- Member, American Mathematical Society.
- Member, The Aerosol Society.

PATENTS, PUBLICATIONS and INVITED PRESENTATIONS (details available)

- US Patent: Method for Production Refactoring of a Producing Entity, Docket CH920040041US1.
- US Patent: Addiction Cessation Systems, Devices & Methods, Pub. No. US 2022/0256929 A1
- US Patent: Systems & Methods for Smoking Cessation II, Application 63/261,638.
- US Patent: Systems & Methods for Smoking Cessation III, Application 63/263,863.
- More than 100 publications, two book chapters on orthopaedics and neurology/implantable devices.

PERSONAL

- Canadian citizen.
- Married to Fran.
- Myers-Briggs type "E-N-T-P".
- Active in mountaineering and extreme alpine climbing.
- Life-long fan of the Montréal Canadiens.
- Vices: single malt Islay whisky and cigars.
- Ferrarista.

LANGUAGES

- English (native), German (fluent), French (basic)