The School of Biomedical Engineering

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Introduction

School of Biomedical Engineering (SBME)
2222 Health Sciences Mall
Biomedical Research Centre (BRC)
Vancouver, BC V6T 1Z3
Telephone: 604-822-7810
Biomedical Engineering Website (http://www.bme.ubc.ca)

The School of Biomedical Engineering provides opportunities for dialogue and engagement with communities, public, patient, industry, health authorities, and government, establishing shared agendas and accountabilities, alignment of priorities to create an infrastructure to support sustained education and research excellence, innovation, and translation, impacting health care outcomes and delivery of care in both urban and rural settings.

Biomedical Engineering (BME) is a discipline that fuses engineering, medicine, life sciences, computer science, and mathematics to address fundamental and translational problems that impact human health. Widespread use of quantitative approaches to fundamental problems in life science and medicine, together with advances in material sciences, nanotechnology, robotics, and artificial intelligence permits innovative, improved, cost-effective innovations in health care.

The School of Biomedical Engineering is jointly supported by the Faculties of Applied Science and Medicine. The School is home to both the Biomedical Engineering undergraduate and graduate programs, in addition to the professional graduate program.

B.A.Sc. in Biomedical Engineering

Please see B.A.Sc. in Biomedical Engineering in the Faculty of Applied Science, Bachelor of Applied Science, section of the Academic Calendar.

Graduate Programs

Please see Biomedical Engineering Graduate Programs in the Faculty of Applied Science section of the Academic Calendar.

Academic Staff

Professors

S. Bamji
K. Cheung, Ph.D. (Calif., Berkeley), P.Eng.
P. Cripton, (Queen's), P.Eng.
C. Eaves
K. Haas
A. Hodgson
P. Hoodless
T. Kieffer
M. Levings
K. McNagny, Ph.D. (Alabama Birmingham)
I. R. Nabi
C. Roskelley
F. Ross, M.D. (Universita Degli STudi di Genova, Italy), Ph.D. (European Molecular Biology Lab)
F. Rossi
T. M. Underhill
R. Wang
N. Yachie, Ph.D. (Keio)
P. Zandstra, Ph.D. (Br.Col), FRSC, FCAHS, P.Eng.

Associate Professors

D. Liu
F. Lynn
R. Tam
N. Yachie
V. Yadav

Assistant Professors

A. Bashashati Saghezchi, Ph.D. (Br.Col.)
A. Blakney
C. de Boer, Ph.D. (Tor.), P.L.Eng.
M. J. Ju
C. Kuo, Ph.D. (Standford), P.Eng.
Z. Laksman
M. Madhav, Ph.D. (Johns Hospkins)
D. Shahriari
N. Shakiba, Ph.D. (Tor.), EIT Assistant Professor of Teaching
C. Tropini
J. Usprech, Ph.D. (Tor.), P.Eng.

Lecturers

B. Bayat, Ph.D. (Ott.), P.Eng.
N. Mohaghegh Harandi, Ph.D. (Br.Col.), EIT

Sessional Lecturers

T. Bennett, B.A.Sc. (Br.Col.)

Adjunct Professors

B. Jaggi, M.A.Sc. (SFU), P.Eng.
R. Judson, Ph.D. (Aberdeen & King's College)
D. C. Kirouac, Ph.D. (Tor.)
J. A. McEwen, Ph.D., FCMBES, P.Eng.

Affiliate Members

P. Abolmaesumi
M. Bacca
M. Cembrowski
M. Chiao
E. Conway
G. Dumont
L. Edelstein-Keshet
S. Fels