

CURRICULUM VITAE

FACULTY OF DENTISTRY

Date completed: March 15, 1989

DEPARTMENT OR SCHOOL CLINICAL DENTAL SCIENCES
 Division of Periodontics

I. BIOGRAPHICAL DATA

Name: TIMOTHY RICHARD LOCKE GOULD
 Present Rank: Clinical Associate Professor
 Citizenship: Canadian

Date of most recent
 revisions or verifi-
 cation of Curriculum
 Vitae by faculty
 member (please initial):

Sept. 10/90
Feb. 25/91
Aug. 1/91
January 2006

II. EDUCATION

a) Undergraduate (where, dates, degree(s)
 received);

England 1971, L.D.S., R.C.S.
 London, 1971, B.D.S.

b) Special Professional (eg. Internships, Residencies, Specialty Board)

Assistant House Surgeon to Professor A. H. Rowe, Department of Restorative Dentistry, Guy's Hospital,	1971
House Surgeon to Dr. D. H. Gibb, Department of Oral Surgery,	1972
N.D.E.B. of Canada Examination,	1974
L.D.S., R.C.D.S. (Ontario),	1974
Dip. Perlo., University of Toronto,	1975
M. R.C. D. (C) , Toronto,	1975
NDEB/RCD(C) Specialty Certificate in Periodontics, Toronto,	1976
Specialist Examination in Periodontics, College of Dental Surgeons of B. C.,	1979
F.C.D.S.(B.C)	2003

Graduate (where, dates, degree(s) received):

University of Toronto, 1975, Certification in Periodontology
 University of Toronto, 1978, Ph.D.

II. EDUCATION (continued)

d) **Titles of theses written or presented for graduate degrees (indicate the degree, name and title of main supervisor for each):**

Ph.D. Origin of connective tissue cells responding to wounding of periodontal ligament. Supervisors: Dr. A.H. Melcher and Dr. D.M. Brunette

e) **Academic awards and distinctions (prior to final degree):**

Albert Rycroft Memorial Scholarship,	1971
Award of the American Association of Endodontists,	1971
Newland-Pedley Travelling Scholarship,	1973

III. PROFESSIONAL EMPLOYMENT RECORD

a) **Teaching, professional or research positions held prior to U.B.C. appointment:**

Teaching Assistant, Department of Periodontology, University of Toronto,
Faculty of Dentistry, 1974 -1977

b) **Date of first appointment at the University of British Columbia:**

August 1, 1978 ,

c) **Rank at which first appointed:**

Assistant Professor

d) **Subsequent ranks including dates of promotion:**

Associate Professor, July 1, 1985

e) **Date of granting of Appointment without Term:**

July 1, 1983

f) **Principal University and Department teaching and service responsibilities over the last five years:**

Clinical Associate Professor Postgraduate Program in Periodontics

III. PROFESSIONAL EMPLOYMENT RECORD (continued)

f) Principal University and Department teaching and service responsibilities over the last five years (continued):

Occasional Lecturer, ORBI 420	1979 - 1993
Occasional Lecturer, REST 430	1979-present
Co-ordinator, Periodontics Section PCDY 410	1980 - 1988
Co-ordinator, 2nd year Periodontics, ORME 420	1981 - 1986
Director, Postgraduate Periodontics Program	1984 - 1985
	1986 - 1993
Chairman, Division of Periodontics (part-time)	1985 - 1987
Chairman, Undergraduate and Postgraduate Periodontics (part-time)	1987 - 1988
Honorary Member, Department of Oral Biology	1986 - 1987
Chairman, Division of Periodontics	1988 - 1993
Director, Postgraduate Periodontics	1988 - 1993
Co-ordinator, Clinical Postgraduate Periodontics	1988 - 1993
Co-ordinator, Postgraduate Periodontics, DENT 562 (Periodontics Review of Literature)	1988 - 1993
	1984-
Active Staff, University Hospital	present
Clinical Associate Professor, Division of Periodontics	1994-Present

Committees

Teaching Effectiveness	1979	1986
Patient Services Committee	1978	1981
Faculty Executive	1981	1988
Dean's Advisory Committee on Promotions and Tenure	1981	1985
Department Committee for Selection of Students for Post-Graduate Periodontics (Chairman 1984)	1979	1993
Negotiating Committee for Subsidiary Agreement	1980	1981
Dean's Advisory Committee on Salaries	1984	1986
Graduate/Postgraduate Committee	1986	1993
U.B.C. Preprosthetic Implant Clinic Group (Chairman)	1986	1993
Committee on the Future of Dentistry	1987	
CDSC Department Search Committee for new Faculty position	1989	1990
Faculty of Dentistry Graduate/Postgraduate Studies Committee	1989	1993

IV. PROFESSIONAL ACTIVITIES

a) Membership in professional and learned societies (including any offices held, committee memberships, etc.):

Vancouver and District Dental Society
 Vancouver Society of Full-Time University Dentists (President 1983)
 B.C. Society of Periodontists (President 1984-1985)
 Interspecialty Dental Society of B.C.
 Canadian Dental Association
 Canadian Academy of Periodontology (Board of Directors 2000-2006, President 2004)
 American Association of Dental Schools
 American Academy of Periodontology
 Western Society of Periodontology
 International Association of Dental Research
 Government Liaison Committee for C.D.S.B.C.
 College of Dentists of B.C., Chairman, Specialty Examination Committee

IV. PROFESSIONAL ACTIVITIES (continued)

Form 194

Page 4

a) Membership in professional and learned societies (continued):

Sigma Xi, The Scientific Research Society	1984 - 1991
B.C. College of Dental Surgeons Computer Services Committee (Chairman of Committee 1981-1982, Secretary of Committee 1983-1984)	1980-1982
Active Staff, Acute Care Hospital, University of British Columbia	1981 - 1995
Vancouver and District Dental Society Mid-Winter Clinic Committee	1983 - 1986
Canadian Academy of Periodontology Annual Meeting Local Events Committee	1983
Joint Dental Faculty/College of Dental Surgeons Committee on 'Future of Dentistry'	1986-1987
Scientific Chairman, Canadian Academy of Periodontology Annual General Meeting	1988
Member, Canadian Academy of Periodontology Task Force on Periodontal Care in the Elderly.	1988 -1991
Chairman 1991 Meeting of The American Academy of Periodontology in Vancouver	1989-1991

b) Academic or professional awards and distinctions:

Fellowship of the Medical Research Council of Canada, 1977

c) Professional service and experience (consultancies, professional committees, commissions, visiting professorships, invited lectureships, etc.):

Examiner

College of Dental Surgeons of B.C., Periodontics Specialty Exam 1980

Invited Lectureships

University of Toronto, Lecture: 'Progenitor Cells in the Periodontal Ligament'	1977
University of British Columbia Lecture: 'Clinical Implications of Cell and Collagen Turnover in the Periodontium'	1978
B.C. Society of Periodontists Lecture: 'Advances in Materials for Flap Stabilization'	1978
University of British Columbia Lecture: 'Cell Division and Migration in the Periodontal Ligament'	1979
B.C. Society of Periodontists: Preparation of a brief to the Insurance Carriers 'The significance of Root Planing to the Success of Periodontal Therapy'	1980
University of British Columbia Lecture: 'Cell Turnover in the Periodontal Ligament'	1980
Vancouver Vocational Institute Lecture: 'Periodontics'	1980
B.C. Society of Periodontists Lecture: 'Advances in Materials for Flap Stabilization'	1978
Vancouver Vocational Institute Lecture: 'Periodontics'	1980
University of British Columbia Lecture: 'Attachment Mechanism of Epithelial Cells to Titanium in Vitro'	1981

IV. PROFESSIONAL ACTIVITIES (continued)

c) Professional service and experience (continued):

Vancouver Vocational Institute Lecture: 'Periodontal Therapy'		1981
Japanese Dental Study Group Lecture: 'Treatment Planning'		1981
University of British Columbia Pre-Dental Lecture: 'Periodontics'		1981
Prince George and District Society, All Day Course: 'Periodontics - An Update'		1981
Vancouver and District Dental Hygienists Society Lecture: 'Clinical Periodontal Research Related to Dental Hygiene'		1981
CKNW - Barrie Clark Radio Program: 'Periodontics'		1981
University of British Columbia Lecture: 'Differences in Cell Turnover between Normal and Diseased Periodontium'		1982
Prince George and District Dental Hygienists Society Lecture: 'The Hygienist to the Specialist'		1982
Victoria and District Dental Society, All Day Course: 'Periodontics and the General Practitioner'		1983
Dental Residents, Vancouver General Hospital: 'Is Periodontal Surgery Necessary?'		1983
Co-ordinator of Continuing Education Course: 'A Clinical Participation Course in Periodontics', January to April, involving 32 hours of instruction		1984
University of British Columbia Pre-Dental Society: 'What is Periodontics?'	February	1984
Thompson-Okanagan Dental Society: 'Update on Periodontics' all day course	May	1984
Vancouver Crown & Bridge Study Group: 'Root Amputations and Hemisections'	May	1984
University of British Columbia Continuing Education Course: "Dental Hygiene Update"	June	1984
Feature in Vancouver Sun Newspaper: 'Bite Put on Rats so You can Smile'	June	1984
Dental Residents, University of British Columbia: 'Root Amputations'	February	1985
Invited Keynote Speaker, International Congress on Tissue Integration in Oral and Maxillofacial Reconstruction, Brussels, Belgium	May	1985
Vice Chairman, Basic Sciences Committee, State-of-the-Art Meeting on Tissue Integration in Oral and Maxillofacial Reconstruction, Brussels	May	1985
Arbutus Dental Study Club: 'Periodontist/General Practitioner Relationships'	May	1985
University of British Columbia Lecture: 'Implants & Alligators'	May	1985
Upper Island Dental Society Clinical Participation Course in Surgical Periodontics: 'Part I - Mucogingival Surgery'	January	1986
'Part II - Flap Surgery'	February	1986
Greater Vancouver Dental Hygienists Society: 'Controversies in Periodontics'	May	1986
Vancouver & District Dental Society Seminar: 'Periodontal Aspects Of Dental Implants'	May	1989
Vancouver and District Dental Society Midwinter Clinic Seminar "Concepts and Controversies in Periodontics"	December	1994

IV. PROFESSIONAL ACTIVITIES (continued)

c) Professional service and experience (continued):

University of British Columbia Continuing Education Course: 'Osseointegrated Implant Prosthetics'	January 7 & 8, 1987
CJOR Radio, Vancouver: 'Osseointegrated Implants'	January 1987
CKLG Radio, Vancouver: 'Osseointegrated Implants'	January 1987
Vancouver Province Newspaper Article: 'Denture Problem Solved'	February 1987
University of British Columbia/College of Dental Surgeons Convention: 'Diagnosis and Treatment of Periodontal Disease'	June 1987
University of British Columbia/College of Dental Surgeons Convention: 'Periodontal Aspects of Dental Implants'	June 1987
British Columbia Interspecialty Society AGM: 'Biologic Basis of Dental Implants'	May 1988
University of British Columbia Prosthodontic Group: 'Indications for Gingival Grafting and Adjustment of the Occlusion'	November 1988
College of New Caledonia: Faculty Upgrade, workshop in Periodontics	January 1990
Alberta Society of Periodontists & Alberta Dental Association All day seminar "Current Concepts and Future Trends in Periodontics	September 1990
University of Toronto Symposium: 'Periodontal care for Older Adults'	May 1991
Mentor, Delta Perio Group Dental Hygiene Study Club	1991 -2000

d) Other public service:

Honorary Board of Directors, Non-Smokers' Rights Association	1983 - 2000
Grant Reviewing service to Ontario Ministry of Health	

V, RESEARCH AND PROFESSIONALLY RELATED SCHOLARLY AND CREATIVE ACTIVITIES

a) Areas of special interest and accomplishment in discipline:

Regeneration of Periodontium - _identification of progenitor cells in periodontal ligament and their control mechanisms

Dental Implants - _identification of cell attachment mechanisms to dental implant materials such as Titanium
influence of surface characteristics on cell attachment and migration

b) Research or equivalent grants received as principal investigator over the past five years (indicate date, source and subject):

Medical Research Council: 'Cell Turnover in Periodontal Ligament' \$56,000	1981 - 1983
Medical Research Council: 'Characterisation of Progenitor Cells in Periodontal Ligament', \$36,000	1983 - 1984

Co-Investigator

British Columbia Health Care Foundation: 'Ultrastructural Studies of the Effects of Endodontic and Dental Implant Materials on Cells In Vivo and In Vitro', \$30,000	1982 - 1984
National Institute of Dental Research: 'Dental Implant Surfaces Impeding Epithelial Migration', \$260,000	1984 - 1987

V. RESEARCH AND PROFESSIONALLY RELATED SCHOLARLY AND CREATIVE ACTIVITIES

b) Research or equivalent grants received as principal investigator over the past five years (indicate date, source and subject):

British Columbia Health Care Foundation: 'Regulation of Epithelial Migration In Vitro and In Vivo', \$25,000 ~~1987-1988~~ British Columbia Health Care Foundation: 'Regulation of Epithelial Migration In Vivo and In Vitro', \$25,000 ~~1988-1989~~

c) Theses supervised during the last five years:

'Cell Attachment Mechanisms to Titanium Implants In Vivo' Dr. Paul Kavanagh, MSc Thesis, Division of Periodontics, Co-supervisor with Dr. D.M. Brunette 1985 - 1987

'Effects of Implant Surfaces on Cell Behaviour In Vivo and In Vitro' Dr. Babak Cheroudi, PhD Thesis, Co-supervisor with Dr. D.M. Brunette 1986 - 1992

'Virulence Determinants in Sp. Treponema' Dr. P. Pan, PhD Thesis, Co-supervisor with Drs. V.J. Uitto and B.C. McBride 1988 - 1993

VI. OTHER RELEVANT INFORMATION

Private Practice in Periodontics Full-time 1994-Present

NAME: TIMOTHY RICHARD LOCKE GOULD
FACULTY: DENTISTRY
DEPARTMENT: CLINICAL DENTAL SCIENCES

Date of most recent
revisions:

Sept. 10/90

Feb. 25/91

Aug. 1/91

July 12, 1993

January 2006

A. FORMAL PUBLICATIONS

i) Papers

Gould, T.R.L., Melcher, A.H. and Brunette, D.M. Location of Progenitor Cells in Periodontal Ligament of Mouse Molar Stimulated by Wounding. *Anat. Rec.* 188:133-142, 1977.

Gould, T.R.L., Melcher, A.H. and Brunette, D.M. The Migration and Division of Ha-Thymidine Labelled Cells in Periodontal Ligament Stimulated by Wounding. *J. Perio. Res.* 15:20-42, 1980.

Gould, T.R.L. Initial Therapy - The Role of the General Practitioner. *Oral Health* 70:34-35, 1980.

Gould, T.R.L., Brunette, D.M. and Westbury, L. The Attachment Mechanism of Epithelial Cells to Titanium In Vitro. *J. Perio. Res.* 16:611-616, 1981.

Gould, T.R.L., Westbury, L. and Tillman, J. Dentin Matrix Gelatin (DMG) as a Possible 'Universal' Grafting Material. *J. Perio.* 53:22-25, 1982.

Gould, T.R.L., Brunette, D.M. and Dorey, J. Cell Turnover in Periodontal Ligament Determined by Continuous Infusion of H^3 -TdR Using Osmotic Minipumps. *J. Perio. Res.* 17:662-668, 1982.

Gould, T.R.L. Ultrastructural Characteristics of Progenitor Cell Populations in the Periodontal Ligament. *J. Dent. Res.* 62:873-876, 1983.

Brunette, D.M., Kenner, G. and Gould, T.R.L. Grooved Titanium Surfaces Orient Growth and Migration of Cells from Human Gingival Explants. *J. Dent. Res.* 62:1045-1048, 1983.

Gould, T.R.L., Brunette, D.M. and Dorey, J. The Cell Turnover in the Periodontium in Health and Periodontal Disease. *J. Perio. Res.* 18:353-361, 1983.

Gould, T.R.L., Westbury, L. and Brunette, D.M. An Ultrastructural Study of the Attachment of Human Gingiva to Titanium In Vivo. *J. Prosth. Dent.* 52:418-420, 1984.

Kavanagh, P., Gould, T.R.L. and Brunette, D.M. A Rodent Model for the Investigation of Dental Implants. *J. Prosth. Dent.* 54:252-257, 1985.

Cheroudi, B., Gould, T.R.L. and Brunette, D.M. Effects of a Grooved Epoxy Substratum on Epithelial Cell Behaviour In Vitro and In Vivo. *J. Biomed. Mat. Res.* 22:459-473, 1988.

A. FORMAL PUBLICATIONS (continued)**i) Papers (continued)**

Cheroudi, B., Gould, T.R.L. and Brunette, D.M. Effects of a Grooved Titanium-Coated Implant Surface on Epithelial Cell Behaviour In Vivo and In Vitro. J. Biomet. Mat. Res., 23: 1067-1085, 1989.

Chehroudi, B., Gould, T.R.L. and Brunette, D. M. Titanium-Coated Micromachined Grooves of Different Dimensions Affect Epithelial and Connective-Tissue Cells Differently In Vivo. J. Biomed. Mat. Res. 24: 1203-1219, 1990.

Brunette, D. M., Chehroudi, B. and T. R. L. Gould. A light and electron microscopy study of the effects of surface topography on the behaviour of cells attached to titanium-coated percutaneous implants. J. Biomed. Mater. Res. 25: 387-405, 1991.

Chehroudi, B., T.R.L. Gould and D. M. Brunette. The role of connective tissue in inhibiting epithelial downgrowth on titanium-coated percutaneous implants. J. Biomed. Mater. Res. 26: 495 - 515, 1992.

Gould, T.R.L., P. B. Robertson, and C. Oakley. Effect of Free Gingival Grafts on Naturally-Occurring Recession in Miniature Swine. J. Periodontol. 63 (7): 593-597, 1992.

ii) Chapters in Books

Gould, T.R.L. Clinical Implications of the Attachment of Oral Tissues to Dental Implants. In: Tissue Integration in Oral and Maxillofacial Reconstruction. Ed: D. van Steenberghe. Excerpta Medica, Amsterdam, 253-270, 1986.

D. M. Brunette, B. Chehroudi and T.R.L. Gould. Electron microscopic observations on the effects of surface topography on the behaviour of cells attached to percutaneous and subcutaneous implants. Proceedings 2nd Int. Cong. Tissue Integration in Oral Orthop. and Maxillofac. Reconstruction. In Press.

B. ABSTRACTS

Gould, T.R.L. Location of Progenitor Cells in Periodontal Ligament. J. Dent. Res. 56A:97, 1977.

Gould, T.R.L., Melcher, A.H. and Brunette, D.M. Migration and Division of Progenitor Cells in Periodontal Ligament. J. Dent. Res. 58A:760, 1979.

Gould, T.R.L., Brunette, D.M. and Westbury, L. The Attachment of Epithelial Cells to Titanium In Vitro. J. Dent. Res. 60A:631, 1981.

Gould, T.R.L., Westbury, L. and Tillman, J. Dentin Matrix Gelatin (DMG) as a Possible 'Universal' Grafting Material. J. Dent. Res. 60A:335, 1981.

Brunette, D.M., Kenner, G. and Gould, T.R.L. Grooved Titanium Surfaces Orient Growth and Migration of Gingival Cells. J. Dent. Res. 62A:633, 1983.

Kavanagh, P., Gould, T.R.L. and Brunette, D.M. A Rodent Model for Investigating Tissue Interactions with Dental Implants. J. Dent. Res. 64A:1122, 1985.

Brunette, D.M., Gould, T.R.L. and Stradiotti, E. Orientation of Gingival Fibroblasts and Epithelium on Instrumented Root Surfaces. J. Dent. Res. 64A:1449, 1985.

B. ABSTRACTS (continued)

Loo, A. et al. A Rodent Model for Investigating Tissue Interactions with Dental Implants. J. Dent. Res. 64:299, 1985.

Gould, T.R.L., Brunette, D.M. and Odden, K. Effects of Grooved Dental Implant Surfaces on Epithelial Downgrowth In Vivo. J. Dent. Res. 65A:1986.

Chehroudi, B., Gould, T.R.L. and Brunette, D.M. Effects of a Grooved Epoxy Substratum on Epithelial Cell Behaviour In Vitro and In Vivo. J. Dent. Res. 66A:114, 1987.

Brunette, D.M., Schindelhauer, N., Cheroudi, B. and Gould, T.R.L. Effects of Grooved Titanium Substrata on Cell Shape In Vivo and In Vitro. J. Dent. Res. 67A:174, 1988.

Chehroudi, B., Gould, T.R.L. and Brunette, D.M. Grooves Inhibit Epithelial Downgrowth on implants. J. Dent. Res. 67A:175, 1988.

Chehroudi, B., Gould, T.R.L. and Brunette, D.M. Effect of Surface Topography on Epithelial and Connective Tissue Attachment. J. Dent. Res. 68A:306, 1989.

Chehroudi, B., T.R.L. Gould and D. M. Brunette. Surface topography affects orientation of cells attached to titanium-coated implants. J. Dent. Res. 69:291, 1990.

D.M. Brunette, B. Chehroudi and T.R.L. Gould. Evidence for the Occurrence of contact guidance and two-centre-effect on artificial substrata in vivo. Trans. Soc. Biomat. 16th Annual Meeting. p 297, 1990.

D.M. Brunette, B. Chehroudi and T.R.L. Gould. Electron microscopic observations on the effects of surface topography on the behaviour of cells attached to percutaneous and subcutaneous implants. 2nd Int. Cong. Tissue Integration in Oral, Orthop. and Maxillofac. Reconstruction. Rochester, Minnesota, September 23-27, 1990.

B. Chehroudi, T.R.L. Gould and D.M. Brunette. Connective tissue ingrowth inhibits epithelial downgrowth on titanium-coated implants. J. Dent. Res. 70: 366, 1991.

T.R.L. Gould, P. B. Robertson and C. Oakley. Effect of Free Gingival Grafts on Naturally-Occurring Recession in Miniature Swine. J. Dent Res. 70: 296, 1992.

C. PRESENTATIONS AT SCIENTIFIC MEETINGS

Gould, T.R.L., Melcher, A.H. and Brunette, D.M. Progenitor Cells in the Periodontal Ligament. I.A.D.R., Copenhagen, 1977.

Gould, T.R.L., Melcher, A.H. and Brunette, D.M. Cell Division and Migration in the Periodontal Ligament. I.A.D.R., New Orleans, 1979.

Gould, T.R.L., Westbury, L. and Tillman, J. Dentin Matrix Gelatin (DMG) as a Possible 'Universal' Grafting Material. I.A.D.R., Chicago, 1981.

Gould, T.R.L., Brunette, D.M. and Westbury, L. The Attachment Mechanism of Epithelial Cells to Titanium In Vitro. I.A.D.R., Chicago, 1981.

Gould, T.R.L., Brunette D.M., and Dorey, J. Influence of Periodontal Disease on Cell Turnover in the Periodontium. A.A.D.R., Cincinnati, 1983.

Brunette, D.M., Kenner, G. and Gould, T.R.L. Grooved Titanium Surfaces Orient Growth and Migration of Gingival Cells. A.A.D.R., Cincinnati, 1983.

C. PRESENTATIONS AT SCIENTIFIC MEETINGS

Gould, T.R.L. What and How We Teach Periodontal Surgery. Canadian Academy of Periodontology Annual Meeting, Montreal, 1984.

Gould, T.R.L. Clinical Implications of the Attachment of Oral Tissue to Dental Implants. Invited Keynote Speaker. International Congress on Tissue Integration in Oral and Maxillofacial Reconstruction, Brussels, 1985.

Gould, T.R.L. Periodontal Considerations of Dental Implants. Invited Keynote Speaker. XII Alabama Implant Conference, Birmingham, Alabama, May 1986.

Gould, T.R.L. What's New in Dental Implants: A Team Approach. V.D.D.S. Multidisciplinary Seminars, Vancouver, May 1986.

Gould, T.R.L., Brunette, D.M. and Odden, K. Effects of Grooved Dental Implant Surfaces on Epithelial Downgrowth In vivo. I.A.D.R., The Hague, 1986.

Gould, T.R.L. Periodontal Aspects of Dental Implants. Symposium - Biocompatible Implants. U.B.C. 25 Year Celebration, June 1987.

Gould, T.R.L. Biological Basis for Osseointegration. Interspecialty Society of B.C. AGM, May 1988.