1st ANNOUNCEMENT

The International Scientific

Tendinopathy Symposium

Source: Umeå kommun (Photo: Per Lundberg)

Source: Umeå kommun (Photo: Tommy Blomkvist)

Source: Umeå kommun

Umeå, Sweden, September 30 – October 1, 2010

”Neuronal and non-neuronal pathways in the tendon pathology continuum”

Umeå University, Faculty of Medicine,
Dept. of Integrative Medical Biology, Anatomy, *and*
Dept. of Surgical and Perioperative Sciences, Sports Medicine

Welcome to the Land of the Northern Lights and ...

The International Scientific

Tendinopathy Symposium

Umeå, Sweden, September 30 – October 1, 2010

”Neuronal and non-neuronal pathways in the tendon pathology continuum”

Featuring: **David Hart**, Canada; **Jill Cook**, Australia; **Håkan Alfredson**, Sweden; and **Graham Riley**, UK

Symposium Program Overview

Thursday September 30

9.00	Registration and light breakfast
9.30	Opening of Symposium
9.45	Honorary Opening Lecture
10.00	**Session 1:** ”Pathophysiology of tendinopathy”
13.00	*Lunch*
14.00-17.00	**Session 2:** Research forum “Pain mechanisms in tendinopathy”
19.00	Conference Dinner

Friday October 1

9.00	**Session 3:** ”Frontiers in clinical tendinopathy research, and latest developments in clinical management of tendinopathy” (Joint session with conference for physiotherapists and GP:s)
12.00	*Lunch*
13.00	**Thesis Defence:** **Gustav Andersson**, M.D. (see separate announcement)
19.00	Dissertation Party

Sympoisum Fee: 100 € **Location:** Umeå University Campus, Umeå, Sweden

Abstract Submission Dead-line: June 20, 2010 **Registration Dead-line:** June 30, 2010

Contact: Patrik Danielson, MD, PhD; patrik.danielson@anatomy.umu.se; phone +46 70 336 80 30

Host Institution: Umeå University, Dept. of Integrative Medical Biology, Anatomy

Detailed Information – 1st Announcement

The Symposium

The International Scientific Tendinopathy Symposium in Umeå, Sweden, 2010 will gather some of the leading scientists world-wide in the field of tendinopathy research for a broad discussion, ranging from preclinical basic science on the pathology of the condition, to clinical research and hands-on management of tendinopathy patients. Some of the leading centers on tendinopathy research in the world will be represented, and the symposium will be open for researchers and clinicians both nationally and internationally. In addition, prominent researchers in fields such as pain physiology, anesthesiology, and pharmacology will participate in round-table forum discussions.

The symposium will, among other things, feature talks and discussions on the following subjects:

- "Compression load and tendinopathy"
- "Matrix turnover and tendinopathy – the role of enzymes, both good and bad"
- "Apoptosis in tendinopathy"
- "What is the role of locally produced signal substances in tendinopathy?"
- "Pain mechanisms in tendinopathy"
- "Sclerosing injections and/or minimal invasive surgery as a treatment for tendinopathy"
- "Is it possible to design a conservative treatment that will be sufficient for all patients with tendinopathy?"

Official language

The official language of the Symposium will be **English**.

Location / Host Institution

The Symposium will be held at the campus of Umeå University, Umeå, Sweden. Umeå is a mid-sized city (Population: ~ 115.000) in Northern Sweden, and Umeå City Airport is just a 50 minute flight from Stockholm Arlanda International Airport. The university campus is situated only 10 minutes with taxi (~ 18 €) from the airport. Umeå University harbors Sweden's northernmost Faculty of Medicine and is the country's 5th largest university with ~ 30.000 students/year. Among other international acknowledgements, the university has been ranked 4th best workplace outside the US for post-docs in life sciences by the American magazine *The Scientist*. The city of Umeå is the European Capital of Culture 2014.

Scientific Committee

Professor **Sture Forsgren**, M.D., Ph.D., Anatomy, Umeå University (**CHAIR**)
sture.forsgren@anatomy.umu.se phone: +46 90 786 51 47

Professor **Håkan Alfredson**, M.D., Ph.D., Sports Medicine, Umeå University

Assist. Professor **Alexander Scott**, Ph.D., Physical Therapy, University of British Columbia

Assoc. Professor **Patrik Danielson,** M.D., Ph.D., Anatomy, Umeå University

International Keynote Contributors/Advisors on Scientific Main Program

Professor **David Hart**, University of Calgary, Canada

Dr **Graham Riley**, University of East Anglia, United Kingdom

Assoc. Professor **Jill Cook**, Deakin University, Australia

Adjunct Prof. **Craig Purdam**, Australian Institute of Sport and University of Canberra, Australia

Tendinopathy Symposium, Umeå, Sweden, 2010

"Neuronal and non-neuronal pathways in the tendon pathology continuum"

REGISTRATION

1. Preliminary Registration (expression of interest to participate)

- Dead-line: **April 30** (to enjoy the subsidized symposium fee)

The Symposium will have a *limited number of subsidized seats* (subsidized symposium fee: **100** € regular fee: **150** €). **The first 60 persons to send in preliminary registration (i.e. notification of intention to participate in the symposium) before April 30, 2010, will be ensured to be admitted at the subsidized fee.** ("First come, first served.") This preliminary registration is however *not binding*. Interested persons will be asked to register formally at 2nd Announcement at which point they will also be notified of their fee (i.e. 100-150 €, depending on whether among the first 60 or not).

Preliminary registration for the International Scientific Tendinopathy Symposium, Umeå, Sweden, September 30 to October 1, 2010, is made to:

patrik.danielson@anatomy.umu.se (Assoc. Prof. Patrik Danielson, Umeå University)

Please state:

- Title, name and affiliation
- Contact information (including e-mail address and phone number)
- Expected number of participants from your team/group
- Intention to make contribution to scientific program, and please specify
  - number of expected contributions
  - preferred session for contribution/-s:
    session 1 "Basic science – pathophysiology of tendinopathy"
    or session 3 "Clinical tendinopathy research/management"
  - preference of oral or poster presentation

Limited number of subsidized seats (60) – E-mail NOW!!

2. Submission of Abstracts after 2nd Announcement

- Dead-line: **June 20**

All contributions will have to be submitted in the form of abstracts formatted according to instructions in the 2nd Announcement (around May 1). Submission of abstracts must be made no later than June 20, 2010.

On **June 22**, at the very latest, researchers will be notified on whether proposed abstracts are accepted, and if so, whether for oral or poster presentations.

3. Formal Registration after 2nd Announcement (delegates and contributors)

- Dead-line: **June 30**

Final registration must be made on special registration forms sent out at the 2nd Announcement (around May 1). Registration must be made no later than June 30, 2010.
At that point *the registration is binding* and the delegates will be asked to pay the symposium fee according to special instructions sent by Ms Tallander (anna-lena.tallander@imb.umu.se).

Payment

Payment of symposium fee must be made directly after registration according to #3 above. Detailed instructions will be sent out after registration. For questions, please contact Secretariat (Ms Tallander, see information under 'Administrative Staff' on next page).
For information about symposium fee and what is included, please see next page.

Symposium Fee

Registration fee amounts to **100** € (subsidized) for the first 60 persons to make preliminary registration according to #1 on previous page, and **150** € for delegates who register later.

In both cases, the symposium fee includes:

- Symposium Program Booklet with all contribution abstracts
- Lunch (x2)
- Coffee and Refreshments (x3)
- Conference Dinner (Thursday evening)
- Cocktails after Thesis Defense (Friday)

Symposium delegates wishing to participate in Dissertation Party on Friday evening are most welcome to join celebrations at an additional fee. More information in the 2nd Announcement.

Social Program

Information will be sent out in the 2nd Announcement.

Hotel Accommodations

Umeå has several hotels of international standard.

Detailed information will be sent out in the 2nd Announcement.

Traveling Details

Umeå City Airport is just a 50 minute flight from Stockholm Arlanda International Airport. Two airlines traffic this route, of which one is a member of a world-wide airline alliance (Scandinavian Airlines, member of Star Alliance) that facilitate international transit and ticketing.

An additional airline, Malmö Aviation, flies between Stockholm Bromma International Airport and Umeå City Airport. Bromma Airport is smaller than Arlanda Airport, but international flights to Bromma are available from Brussels, Belgium, and some other European airports.

The symposium venue at Umeå University campus is situated only 10 minutes with taxi (~ 18 €) from the airport.

Additional information will be sent out in the 2nd Announcement.

General information about Umeå and Sweden (climate, money, electricity etc.)

Information will be sent out in the 2nd Announcement.

Local Organizing Committee

Assoc. Professor **Patrik Danielson,** M.D., Ph.D., Anatomy, Umeå University (**CHAIR**)
patrik.danielson@anatomy.umu.se phone: +46 70 336 80 30

Professor **Sture Forsgren**, M.D., Ph.D., Anatomy, Umeå University
sture.forsgren@anatomy.umu.se phone: +46 90 786 51 47

Professor **Håkan Alfredson**, M.D., Ph.D., Sports Medicine, Umeå University
hakan.alfredson@idrott.umu.se phone: +46 90 786 66 02

Administrative Staff / Secretariat

Ms **Anna-Lena Tallander**, Executive Secretary
anna-lena.tallander@imb.umu.se phone: +46 90 786 51 23 fax: +46 90 786 54 80

Symposium Main Program

Thursday September 30

9.00 Registration and light breakfast

9.30 **Opening of Symposium:**

9.30 Welcome!
Assoc. Prof. **Patrik Danielson**, MD, PhD, Symposium Chair

9.35 Formal Opening – Professor **Maria Fällman**, PhD,
Deputy Dean for Research, Faculty of Medicine, Umeå University

9.45 **Honorary Opening Lecture:**
Professor **David Hart**, PhD, FCAHS
Calgary Foundation-Grace Glaum Professor
Professor, Departments of Surgery, Medicine, and Microbiology & ID
McCaig Institute for Bone & Joint Health, University of Calgary, Canada

10.00 **Session 1:** "Pathophysiology of tendinopathy"

CHAIR: Professor **Sture Forsgren**, MD, PhD, Umeå University

KEYNOTE SPEAKER:
Dr **Graham Riley**, PhD, arc Senior Research Fellow, Cellular Protease Group, School of Biological Sciences, University of East Anglia, United Kingdom

Session talks (Submissions of abstracts are called upon, see 'Detailed information')

13.00 Lunch

14.00 **Session 2:** Research forum - "Pain mechanisms in tendinopathy"
- "Where does the pain come from?"
- "What is the missing link between tissue changes and clinical symptoms?"

MODERATOR: Assoc. Prof. **Patrik Danielson**, MD, PhD, Umeå University

INTRODUCTORY SPEAKERS:
Assist. Prof. **Alexander Scott**, PhD, University of British Columbia
Professor **Håkan Alfredson**, MD, PhD, Umeå University

Round-table discussion
with all symposium participants, and with expert in-put from a panel of "non-tendon researchers" in the fields of pain physiology and pharmacology

19.00 Conference Dinner

Tendinopathy Symposium, Umeå, Sweden, 2010

"Neuronal and non-neuronal pathways in the tendon pathology continuum"

Friday October 1

9.00 **Session 3:** "Frontiers in clinical tendinopathy research, and latest developments in clinical management of tendinopathy"

(Joint session with conference for physiotherapists and GP:s)

CHAIR: Professor **Håkan Alfredson**, MD, PhD, Umeå University

KEYNOTE SPEAKERS:

Jill Cook, PhD, Associate Professor, the Centre for Physical Activity and Nutrition Research, Deakin University, Australia

Craig Purdam, FASMF, FACP (Sports), Head of Physical Therapies, Australian Institute of Sport, and Adjunct Professor to the University of Canberra

Session talks (Submissions of abstracts are called upon, see 'Detailed information')

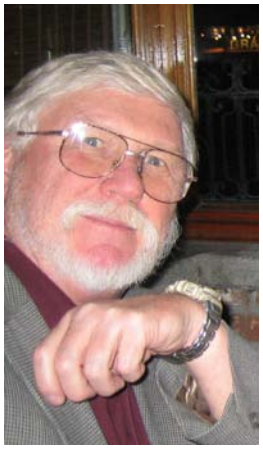
12.00 Lunch

13.00 **Thesis Defence:**
Gustav Andersson, MD
(see separate announcement)

15.00-16.00 Cocktails

19.00 Dissertation Party

Short Biographical Sketch *for*



David Hart, PhD, FCAHS

Calgary Foundation-Grace Glaum Professor in Arthritis Research

Professor, Departments of Surgery, Medicine, and Microbiology & ID
University of Calgary, Canada

Education and Service History

Dr. Hart received his B.A. degree from Northern Michigan University. Subsequently, he received his PhD in Biochemistry from Michigan State University. Following a Post-Doctoral Fellowship in Immunology at the University of Illinois Medical Centre, Dr. Hart joined the faculty at the University of Texas Health Science Centre in Dallas. In 1983, Dr. Hart moved to the University of Calgary as a Professor of Microbiology & ID and Medicine, as well as more recently the Department of Surgery (2002). He was one of the founding members of the McCaig Centre for Joint Injury and Arthritis Research, the Alberta Bone & Joint Health Institute, and the McCaig Institute for Bone and Joint Health at the University of Calgary. He is also currently Chair of the Life Sciences Advisory Committee for the Canadian Space Agency, the Director of the Alberta Bone & Joint Training Program, a Member of the Board of Directors of the Canadian Arthritis Network (a National Centre of Excellence), a Member of the Centre for Hip Health & Mobility (Vancouver) and a Member of the ISIS MSK Network of the Society for Women's Health (USA). He was a Member of the IAB for the CIHR Institute for Gender and Health (2001-2009) and served as Chair of the IAB from 2006-2009. He is also Past-Chair of The Arthritis Society Scientific Advisory Committee and a Past-Member of the TAS National Board. Dr. Hart has also served as Head of the Department of Microbiology & ID (1997-2002) in the Faculty of Medicine (University of Calgary).

Awards

Dr. Hart was awarded the Distinguished Alumni Award from Northern Michigan University in 1993, and the John Boezi Distinguished Alumni Award from the Department of Biochemistry and Molecular Biology at Michigan State University in 2005. In 2005, Dr. Hart was also a co-recipient of the Alberta Ingenuity Fund APEGGA Summit Award for Research Excellence. In 2006, Dr. Hart was awarded an Honorary Doctorate in Biochemistry from Northern Michigan University and has been the Calgary Foundation-Grace Glaum Professor at the University of Calgary since 1994. He was elected a Fellow of the Canadian Academy of Health Sciences in 2008.

Research

For the past several years, Dr. Hart's research has focused on the molecular and cell biology of host responses to injury, with particular emphasis on ligament and tendon healing, systemic inflammatory responses, normal and abnormal skin wound healing, and sequelae of conditions involving fibrotic processes such as joint contractures and tendinopathies. In recent years, his laboratory has also focused on molecular aspects of mechanobiology (cartilage, menisci, bone, and ligaments/tendons) and gender-specific aspects of disease processes as they relate to musculoskeletal conditions including hormonal influences, the effect of pregnancy on connective tissues, and gender differences in injury and degenerative conditions (e.g. osteoarthritis) of the knee. Through involvement in an AHFMR Team Grant in Osteoarthritis, Dr. Hart has an emerging research focus on joint-associated mesenchymal stem cell differentiation and tissue engineering.
Dr. Hart has an active laboratory with trainees, as well as a national and international network of collaborators (including UBC-Centre for Hip Health & Mobility, Sweden, Germany, The Netherlands. Australia, USA, and South Africa).

Publications and Funding

Dr. Hart has published ~350 original articles, book chapters, and reviews, as well as ~1100 abstracts. His research has been funded by CIHR, TAS, CAN, CSA, CFI, NIH and Industry over the past 20 years.

Short Biographical Sketch *for*

Graham Riley, PhD

Arthritis Research Campaign Senior Research Fellow,
Cellular Protease Group, School of Biological Sciences,
University of East Anglia, Norwich, United Kingdom

Short Summary of Accomplishments

Following graduation in biochemistry from the University of Bristol in 1981, my first research position was in the Pasteur Institute, Paris, working on Duchenne Muscular Dystrophy. Two years later I moved to London and worked as a research assistant in the Leukaemia Research Fund laboratory at the Institute of Cancer Research in London. After two years trying to understand the role of the extracellular matrix in determining the fate of blood cell progenitors, I joined the Wellcome Research Laboratory on a WHO-funded project to find a cure for the nematode infection that causes river blindness (onchocerchiasis). Although I enjoyed my year in industry, I was keen to get back to academia, and was given the opportunity to develop an interest in musculoskeletal medicine. My PhD thesis, conducted in Cambridge, was an investigation into the biochemistry and pathology of tendon. I worked in the Rheumatology Research Unit at Addenbrooke's Hospital, Cambridge, for a number of years, becoming the head of the Soft Tissue Research Group in 1996. In 2007 I was awarded a Senior Research Fellowship by the Arthritis Research Campaign, and I have since moved my research laboratory to the University of East Anglia, Norwich. My research group is primarily interested in the cell and molecular biology of chronic tendinopathy, and we have a number of projects investigating the role and regulation of matrix-degrading metalloproteinases in tendon disease. In addition to my academic role in the University, I am currently the Treasurer of the British Society for Matrix Biology and a member of the editorial board of the Scandinavian Journal of Medicine and Science in Sports.

Short Biographical Sketch *for*

Jill Cook, PhD

Associate Professor, the Centre for Physical Activity and Nutrition Research, Deakin University, Melbourne, Australia

Track Record

Dr Cook is a researcher/clinician and an Associate Professor in the Centre for Physical Activity and Nutrition Research at Deakin University. Since the completion of her doctorate in 2000, she has published more than 100 peer-reviewed journal publications and completed more than 15 invited book chapters.
In her work on tendon pathology, Dr Cook collaborates with researchers in Canada, Sweden Norway and South Africa. This work encompasses the clinical, molecular, epidemiological and risk factor perspectives of tendon injury. This spread of research across all domains of tendon research allows her to translate basic science into clinical utility, and clinical expertise and observation into risk factor identification.

Dr Cook has given numerous keynote and invited presentations at national and international conferences and has been a keynote speaker at many international conferences. Research presentations have resulted in six awards, best clinical paper three times (Sports Medicine Australia National conference) and her students have received the best paper award (Asics medal) once and young investigator awards on three other occasions. In addition, Dr Cook won the Victorian Sport and Recreation Research award in 2001. Dr Cook was also received an Academy of Science travelling fellowship to study in Canada.

Professional and University

Dr Cook has supervised post-graduate and honours students to completion and currently has ten masters and doctoral students. She coordinates the honours program in the School of Exercise and Nutrition Sciences.

Dr Cook received NHMRC clinical fellowship (2003-2006) and has received more than $200,000 in grants in the last four years.

Dr Cook has had two senior editorial appointments; as the clinical editor of the Journal of Science and Medicine in Sport (2005-2007) and as senior associate editor at British Journal of Sports Medicine (BJSM) from 2008. She has been guest editor of the tendon issues of BJSM on two occasions in 2007 and 2009. In addition she has been on the scientific and organising committee for four national sports medicine conferences (2005-2010), these incorporate the Injury Prevention, Physical Activity and the Recreation and Sport conferences in addition to the sports medicine conference.

Clinical and Personal

Dr Cook was been awarded the Award of Merit from Basketball Australia in 1998, the Sports Physiotherapy title in 1999, the post graduate genomics scholarship from Griffith University in 1999 and the Australian Sports Medal in 2000.

Clinically, she has worked with elite athletes for more than 20 years, in private practice, sporting institutes and sporting teams. Dr Cook established a sports medicine clinic in 1985, which now employs more than 40 people. Positions held include the physiotherapy co-coordinator for the Australian National Women's Basketball team and the Victorian Institute of Sport. Dr Cook has travelled extensively with sports teams as a sports physiotherapist for 15 years with basketball, netball, hockey and athletics teams. This involvement has included travel to six basketball World championships and two Olympic Games.

Dr Cook is regularly consulted by Australian and overseas athletes with tendon injuries. She is also involved at the national and international level in tendon workshops that educate clinicians in the diagnosis and treatment of tendon injuries.

Short Biographical Sketch *for*

Craig Purdam,

M. Sports Physio., FASMF, FACP (Sports)

Head of Physical Therapies,
Australian Institute of Sport, Canberra, Australia

Adjunct Professor to the University of Canberra, Australia

Short Summary of Accomplishments

Craig Purdam is Head of the Physical Therapies unit at the Australian Institute of Sport. He received his undergraduate qualification in 1975, a postgraduate diploma in Sports in 1992, a Masters in Sports in 2000 and is a specialist in sports physiotherapy after gaining Fellowship by clinical specialisation with the Australian College of Physiotherapists in 2009. He was awarded the Australian Sports medal in 2000 and in 2009 was appointed an adjunct Professor to the University of Canberra, and is also an (honorary) senior fellow at the University of Melbourne, Australia.

Craig Purdam has worked as a clinician in elite sport for over 30 years and has been physiotherapist to 5 Olympic games (1984-2000) and a longstanding physiotherapist to the Australian national men's Basketball team over that period. He has also had other associations with the national Swimming, Track and Field and Rowing teams.

Craig Purdam's major clinical and research interests are in the fields of tendinopathy, chronic hamstring injury and tissue loading, adaptation and healing mechanisms. He has co-authored around 17 scientific papers on tendinopathy research during the period of 2000-2009.

Short Biographical Sketch *for*

Alexander Scott, PhD

Assistant Professor, Dept. of Physical Therapy,
University of British Columbia, Vancouver, Canada

Principal Investigator, Centre for Hip Health and Mobility,
Vancouver Coastal Health and Research Institute;
Affiliate, Cellular and Physiological Sciences,
Faculty of Medicine, University of British Columbia

Short Summary of Accomplishments

Dr Scott obtained a BSc in Physical Therapy in 2000, an MSc in Human Kinetics in 2002, and a PhD in Experimental Medicine in 2008, all from UBC. His PhD focused on the mechanisms of tendinopathy, and was awarded the Top Graduating Doctoral Student award at the Vancouver Coastal Health Research Institute. Dr Scott's research goal is to understand the influences of physiologic movement on tenocyte biology, and to incorporate this knowledge into new clinical strategies for tendinopathy. During his CIHR-funded post-doc at the Underhill laboratory at UBC (2008-2010), he began establishing a program involving (1) in vitro studies of tenocyte differentiation using the FlexCell © system, (2) a mouse tendinopathy model incorporating various imaging techniques and gene expression analysis, and (3) analysis of phenotypic variation in injured human tendons. He is a new Assistant Professor at the Physical Therapy department at UBC, and he leads the Cartilage/Tendon/Muscle research unit within the Centre for Hip Health and Mobility. Outside work, his main past time is playing with his two kids.

Short Biographical Sketch *for*

Håkan Alfredson, MD, PhD

Professor, Dept. of Surgical and Perioperative Sciences,
Sports Medicine Unit, Umeå University, Umeå, Sweden

Education and Service History

Dr Alfredson is an Orthopaedic Surgeon who received his PhD in Sports Medicine from Umeå University in 1997. At Umeå University he subsequently received an Associate Professorship in Orthopaedic Surgery and Sports Medicine in 1999, and a full Professorship in Sports Medicine 2002. He has been Doctor for the Swedish National Junior Ice Hockey Team, and for 8 years was physician for one of the best Ice Hockey teams (Färjestad BK) in Sweden.

Research

Initially, the research focused on bone mass and articular cartilage, but during the last 10 years the main focus has been to perform research on the chronically painful tendon. Collaborative work with Dr Öhberg at the Radiology Department and Professor Forsgrens group at the Anatomy Department has lead to the design of new treatment methods for especially the chronically painful Achilles and patellar tendons, but also other tendons such as the extensor carpi radialis brevis tendon. Dr Alfredson has published more than 100 original peer-reviewed articles, book chapters, and reviews, and has been invited keynote speaker at international conferences in more than 20 countries. Dr Alfredson was awarded the Distinguished Swedish Price in Sports Science 2003, and has received several best paper and best poster awards at international conferences.

Short Biographical Sketch *for*

Sture Forsgren, MD, PhD

Professor, Dept. of Integrative Medical Biology, Anatomy,
Umeå University, Umeå, Sweden

Short Summary of Accomplishments

Sture Forsgren received his MD in 1974 and began his research career at the original Department of Anatomy, Umeå University where he subsequently received his PhD in 1982. He became 'docent' (reader) in 1989, and was awarded a full professorship in 2008. He has continuously worked at the Department of Integrative Medical Biology, Section for Anatomy. He has been teaching since 1976 and has regularly been responsible for undergraduate courses. The teaching has particularly been devoted to medical, physiotherapy and nursing students. He received the pedagogic price of the Medical Faculty in 2001. He has been responsible for the Animal Care Facility of the Anatomy Section since 1994 and he is a member of the Research Ethical Committee in Umeå. For 17 years he has been responsible for his own research team and has at several occasions been responsible for courses for graduate students. He has been main supervisor for 7 graduate students who have presented theses and has been assistant supervisor for the theses work of an additional 5 graduate students. He has furthermore been involved in a number of other theses. His publication list contains 129 original peer-reviewed articles.

Short Biographical Sketch *for*

Jamie Gaida, PhD

Assistant Lecturer (Grants),
Department of Physiotherapy, Faculty of Medicine,
Nursing and Health Sciences, Monash University,
Australia

Short Summary of Accomplishments

Dr Gaida received his physiotherapy degree with first class honours from La Trobe University in 2003 and a PhD from Deakin University in 2009. He has 7 first-author publications, has presented at 1 international and 5 national conferences, and has been invited speaker at 3 state conferences. He has received the Asics medal for best paper at the Australian Conference of Science and Medicine in Sport, the Ken Maguire award for best young investigator, the Felice Rosemary-Lloyd Scholarship, the Australian Postgraduate Award, and was named in the Dean's Honour List at La Trobe University. Dr Gaida has worked with world leading tendinopathy researchers including Associate Professor Jill Cook (PhD supervisor), Professor Håkan Alfredson (PhD co-supervisor), Professor Sture Forsgren and Associate Professor Patrik Danielson. His research has focussed on metabolic risk factors for Achilles tendinopathy.

Dr Gaida is currently working at Monash University where he assists the Department of Physiotherapy in preparing category-1 research grant submissions (NHMRC and ARC grants) to the Australian Government.

Short Biographical Sketch *for*

Patrik Danielson, MD, PhD

Associate Professor,
Department of Integrative Medical Biology, Anatomy,
Umeå University, Umeå, Sweden

Short Summary of Accomplishments

Dr Danielson received his MD in 2005 and his PhD in 2007. He was awarded tenure track as associate professor at Umeå University in 2009. He is currently heading an experimental tendinopathy research project, and his research is nationally funded by the Swedish Research Council (VR). He is the main supervisor of two graduate students and the assistant supervisor of an additional two. He is furthermore responsible for teaching undergraduate anatomy classes for third semester medical students. Clinically, Dr Danielson works as a resident physician in ophthalmology and ophthalmic surgery at the University Hospital of Umeå.

Dr Danielson's thesis, defended in 2007, delineated the neuronal and non-neuronal pathways of signal substances in human patellar tendons. In particular, differences at the tissue level between normal healthy tendons and tendons from patients suffering from tendinopathy were the focus of the research. In his current project, in vitro studies on cultured human tenocytes are used as an experimental model for determining the role of different signal substances in the dynamic processes of tendinopathy pathology. Focus is given to substances in the cholinergic and catecholaminergic systems, as well as to the neuropeptide substance P. Dr Danielson has co-authored 17 peer-reviewed scientific papers and one book chapter in the field of tendinopathy research during the period of 2005-2010.

Dr Danielson was a member of the board of directors of Umeå University for two years and is currently a member of the editorial board of the Journal of Science and Medicine in Sport (JSAMS).

Public Defence of Ph.D. thesis *by*

Gustav Andersson, M.D.

Dept. of Integrative Medical Biology, Anatomy,
and Dept. of Surgical and Perioperative Sciences, Sports Medicine,
Umeå University, Umeå, Sweden

Influences of paratendinous innervation and non-neuronal substance P in tendinopathy

– studies on human tendon tissue and an experimental model of Achilles tendinopathy

Friday October 1, 2010, at 1.00 pm, Umeå University

Faculty Opponent / External Examiner: Professor **David Hart**, PhD, FCAHS
Departments of Surgery, Medicine, and Microbiology & ID
McCaig Institute for Bone & Joint Health
University of Calgary, Canada

Examination Committee: Dr. **Graham Riley**, University of East Anglia, United Kingdom
Professor **Anna Engström-Laurent**, Umeå University
Professor **Charlotte Häger Ross**, Umeå University

Supervisor: Assoc. Prof. **Patrik Danielson**, Umeå University

Assistant Supervisors: Professor **Sture Forsgren**, Umeå University
Professor **Håkan Alfredson**, Umeå University

Chairman of Defence Act / Examiner: Professor **Mikael Wiberg**, Umeå University