

## IOC Diploma in Sports Medicine Program Faculty 2015

Brian Adams	Juan Manuel Alonso	Elizabeth Arendt
Roald Bahr	Michael Bergeron	Mario Bizzini
Mats Brittberg	Richard Budgett	Marco Cardinale
Tom Clanton	Jill Cook	Ann Cools
Wayne Derman	Lars Engebretsen	Ken Fitch
Marie Elaine Grant	Bruce Hamilton	Per Holmich
Will Hopkins	Mark Hutchinson	Kai Haakon Karlsen
Gino Kerkoffs	Karim Khan	Michael Kjaer
David Martin	Ron Maughan	Frank Mayer
Paul McCrory	David McDonagh	Jim Miller
Chris Milne	Nick Mohtadi	Margo Mountjoy
Inigo Mujika	Willem Meeuwisse	Phillip O'Connor
Antonio Pelliccia	Paul Piccinnini	Jack Raglin
Per Renstrom	William Roberts	Marc Safran
Martin Schwellnus	Dominique Sprumont	Kathrin Steffan
Mark Stuart	Jorunn Sundgot-Borgen	Hans Tol
Michael Turner	Bruce Twaddle	Peter van de Vliet
Niek van Dijk	Alan Vernece	Mike Wilkinson
Igor Zagorskiy		

### **Dr Brian Adams, USA**

Dr Adams graduated cum laude from Yale College in 1991, from Yale Medical School in 1995, and attained his Master's in Public Health from Harvard in 2004. He's currently the interim Chairman of the Department of Dermatology at the University of Cincinnati College of Medicine and the Chief of Dermatology at the Veterans Affairs Medical Center. He has published over 100 peer-reviewed medical articles and book chapters, predominantly dealing with skin and sports and frequently lectures nationally to athletes, coaches, dermatologists, athletic trainers, and sports medicine physicians. Dr Adams sits on 4 editorial boards of journals in both the fields of dermatology and sports medicine and is a special advisor to the national sports committee of the American Academy of Dermatology. He is the dermatology consultant for numerous high school, collegiate, and professional organizations, including the NCAA (National Collegiate Athletic Association). Dr Adams is also the official dermatologist for professional women's tennis (WTA-Women's Tennis Association). An international expert on Sports Dermatology, Dr. Adams solo authored the first ever textbook on the topic, entitled Sports Dermatology, published by Springer Science & Media, LLC.

### **Dr Juan Manuel Alonso, Qatar**

Dr Juan Manuel Alonso is currently Sports Medicine Physician at the Sports Medicine Department at the Qatar Orthopedics and Sports Medicine Hospital, where he has been since 2013. He has a degree in clinical medicine, an MSc in Musculoskeletal Biomechanics and a PhD in the epidemiology of injuries in track and field. From 1996-2013 he was Head of the Medical Department of the Royal Spanish Athletic Federation. Since 2003, he has been Chair of the IAAF Medical and Anti-doping Commission. He is an Invited Professor at five different Universities in Spain and Mexico and teaches on Postgraduate, graduate and undergraduate courses. He has attended six Olympic Games (Barcelona 92, Atlanta 96, Sydney 2000, Athens 2004, Beijing 2008 and London 2012), three as Team Physician. He has made a number of contributions to Sports Medicine Books (Spanish and English) on Anti-doping, Sports Injuries, Sports Nutrition, etc. He is first author and co-author of several papers in peer-reviewed journals on Sports Injury Epidemiology, Pre-participation Medical Examination, Thermoregulation in extreme weather conditions, Exercise Induced Asthma and Sports Nutrition.

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### **Dr Elizabeth Arendt, USA**

Elizabeth A. Arendt is Professor and Vice Chair in the Department of Orthopaedic Surgery at the Univ. of Minnesota, Minneapolis. She has BA and MD degrees from the University of Rochester, Rochester, NY. She is an orthopaedic surgeon whose clinical activities have focused on the knee. Her research activities have centred on injuries that are more common in females; in particular injuries to the anterior cruciate ligament and the patellofemoral joint. She has always had an interest and has enjoyed high visibility and clinical expertise in the field of the patellofemoral joint. In her current position of Vice Chair of the Department of Orthopaedic Surgery, combined with 6 years on the NCAA Medical Safeguard Committee, 8 years on the President's Council for Physical Fitness and Sport, and 20 years as Medical Director of Intercollegiate Athletics at my University, she has gained considerable experience in sports administration and governance. She has or currently occupies a number of national positions, including: members of The American Orthopaedic Society of Sports Medicine Education Committee; Chair of the Women's Health Issues Advisory Board, American Academy of Orthopaedic Surgeons; member of ABOS – Subspecialty Certification in Sports Medicine Examination, Field Test Task Force; member of the ACSM Education Committee. Honors awarded include Team Physician, Team USA Women's Ice Hockey, World Games, Tampere, Finland; Team USA Soccer, Team Physician; Sports Hall of Fame (elected), Univ. of Rochester, Rochester, NY; "Teacher of the Year", Orthop. Surg. Residency Program, Univ. of Minnesota; 2005-2014 Best Sports Medicine Doctor (Minnesota); 2005-2014 Best Women Doctors (Orthopaedics/Minnesota). She has published extensively in the sports medicine literature.

### **Prof Roald Bahr, Norway**

Roald Bahr, MD, PhD, is a Professor of Sports Medicine and the Chair of the Oslo Sports Trauma Research Center at the Norwegian School of Sports Sciences. He is also the Chief Medical Officer and Department chair for Olympiatoppen and the Department of Sports Medicine at the Norwegian Olympic Training Center. He is authorized as Sports Medicine Physician (Idrettslege NIMF) by the Norwegian Society of Sports Medicine and a Fellow of the American College of Sports Medicine. He is member of the IOC Medical Commission - Medical and Scientific Group and of the Medical Commission of the International Volleyball Federation (FIVB). He serves as team physician for the national teams in beach volleyball. Roald Bahr is past president of the National Council on Physical Activity and of the Norwegian Society of Sports Medicine. His main research area is sports injury prevention. He is a former national team volleyball player and coach.

### **Dr Mike Bergeron, USA**

Michael F. Bergeron, PhD, FACSM, is the Executive Director of the National Youth Sports Health & Safety Institute and a Professor in the Department of Pediatrics, Sanford School of Medicine of the University of South Dakota at the Sanford USD Medical Center. He also has an appointment as a Senior Scientist in Sanford Children's Health Research Center. Internationally recognized for his research and leadership in exercise-heat stress and youth athletic health, Dr Bergeron is a Fellow and past Trustee of the American College of Sports Medicine (ACSM), and is currently a member of the National Federation of State High School Associations *Sports Medicine Advisory Committee*. He is also a member of the *Academic Advisory Board* for the International Olympic Committee postgraduate Diploma Program in Sports Medicine. Dr Bergeron serves as an *Editorial Board* member for the *International Journal of Sport Nutrition and Exercise Metabolism* and *Journal of Athletic Training*. He also serves as a clinical and scientific consultant to the WTA (Women's Tennis Association) professional tour medical services. Dr Bergeron has worked with numerous youth, collegiate, and professional athletes on appropriately and safely enhancing athletic capacity and resilience by providing individualized and sport-specific training and nutrition/hydration guidance, with a particular emphasis on preparation, competition, and recovery strategies in the heat and helping athletes to avoid exertional heat illness and injury. Because of his recognized expertise and

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reputation among athletes, coaches and sport and sports medicine governing bodies, Dr Bergeron has been regularly featured in myriad national television, radio, online and print media and publications. Dr Bergeron's current research is focused on the effects of exercise in the heat and thermal strain on neuromuscular control and injury risk, as well as glycaemic control in youth athletes with Type 1 diabetes. The institute is also examining thermoregulatory and other physiological and autonomic characteristics associated with mild traumatic brain injury and recovery.

### **Dr Mario Bizzini, Switzerland**

Dr Mario Bizzini, PT, PhD is a research associate at the Schulthess Clinic, a private orthopaedic and sports medicine centre in Zürich, Switzerland. He works there for the orthopaedic department (lower extremity, [www.schulthess-klinik.ch](http://www.schulthess-klinik.ch)) and for the FIFA Medical Research and Assessment Centre (F- MARC, [www.fifa.com/medical](http://www.fifa.com/medical)). He earned a Master of Science degree (MSc) from the University of Pittsburgh (School of Health and Rehabilitation Sciences, UPMC Center for Sports Medicine, 2001), and in August 2010 he finished his doctoral study (PhD) at the Oslo Sports Trauma and Research Center, Norwegian School of Sports Sciences (Oslo, Norway). His research interests focus on hip and knee rehabilitation in sports, football injuries and sports injury prevention. He has currently published 47 peer-reviewed papers, 5 books, 8 book chapters, and lectured at more than 150 national and international congresses. He is a reviewer for various scientific journals, Senior Associate Editor of the British Journal of Sports Medicine (<http://bjsm.bmj.com/>) and Associate Editor of the International Journal of Sports Physical Therapy ([www.spts.org/ijspt](http://www.spts.org/ijspt)). He is also a specialist in sports physiotherapy and committee member of the Swiss Sports Physiotherapy Association ([www.sportfisio.ch](http://www.sportfisio.ch)), and of the International Federation of Sports Physical Therapy ([www.ifspt.org](http://www.ifspt.org)), a rehabilitation consultant for professional ice hockey and football teams, and has also worked at three FIFA World Cups (Germany 2006, China 2007-women, South Africa 2010) and at two Olympic Games (Beijing 2008, London 2012).

### **Prof Mats Brittberg, Sweden,**

Mats Brittberg is a member of the Cartilage Research Unit at University of Gothenburg and an orthopaedic surgeon at Region Halland Orthopaedics at the Kungsbacka Hospital, Kungsbacka, Sweden. He received his MD at the University of Gothenburg in 1978 and completed a specialization in orthopaedics in 1985. In 1992 he passed the Swedish Orthopedic Board Exam (S.O.B.E.), and in 1996 he earned a PhD. He is now a professor of orthopaedics connected to the Institution of clinical sciences and orthopaedic department, University of Gothenburg. Mats Brittberg's research has been focused on cartilage repair and with main focus on cartilage regeneration with in vitro expanded autologous chondrocytes. Today the main interest is the European Connective Tissue Engineering centre (ECTEC) which is research collaboration between the Sahlgrenska Academy at University of Gothenburg with the institution of Polymer Technology, Chalmers Technical University. Mats Brittberg has also had research collaboration with Virginia Tech in USA on biotribology in cartilage and osteoarthritis as well as research collaborations with other centres in Europe and North America. In September, 2010, Mats Brittberg received the ICRS Genzyme Lifetime Achievement Award in cartilage research and in 2012, the Shetty- Kim Foundation (SKF) Scientific award. In 2014, Mats Brittberg also received the SKF and UK Cartilage Club's Life time achievement Award. Mats Brittberg has been on the board of TESI (Tissue engineering Society International) and has been chairing the Cartilage Committee of ESSKA 2006-08. Since the start 1997, he has been working with ICRS, as a secretary, Vice-president and President (2006-2008) and finally Past-President (2008-2009). He is since January 2013 Editor-in-Chief for the Sage journal "CARTILAGE". He is also associate editor with ESSKA journal as well as being on the editorial board of Osteoarthritis and Cartilage. Mats Brittberg is also involved in the Go:Life platform for scientific meetings in Gothenburg

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### **Dr Richard Budgett, Switzerland**

Dr Richard Budgett has been Medical and Scientific Director of the IOC since November 2012. He was part of the British coxed fours that won the gold medal at the 1984 Los Angeles Olympic Games. He attended the Winter Olympics in 1992 and 1994 as the doctor for the British Bobsleigh Team. He was Chief Medical Officer to the British team for the 1998, 2002 and 2006 Winter Olympic Games, and led the Team GB HQ medical team at the 1996, 2000, 2004 and 2008 Summer Olympic Games and was appointed as CMO to the 2012 London Olympic Games in February 2007. In 2005 he was appointed to the World Anti-Doping Agency list committee and later chaired that committee. He was elected to the council of the Faculty of Sports and Exercise Medicine in 2007 and was appointed Chairman of BASEM in 2008. He is also Chairman of the Amateur Rowing Association Medical Committee. He was Chairman of the British Olympic Association Medical Committee, and Director of Medical Services at the British Olympic Medical Institute until he was appointed Medical and Scientific Director of the International Olympic Committee in 2012. Since 1987 he has conducted research into the problem of Fatigue and Underperformance and has published widely on the subject of Overtraining, which is now called Unexplained Underperformance Syndrome (UUPS).

### **Dr Marco Cardinale, Qatar**

Dr Marco Cardinale is the Head of Physiology of Aspire Academy in Doha (Qatar). He led the Sports Science activities for the preparation of Team GB at the Beijing 2008, Vancouver 2010 and London 2012 Olympics. A published and cited author in the scientific literature on various aspects of human performance, he has also patented an innovative exercise device consisting of a vibratory biofeedback system. Dr Cardinale is an honorary reader in computer science in Sport at University College London and an Honorary Senior Lecturer at the University of Aberdeen in the School of Medical Sciences. He has been an advisor to various companies (e.g. Polar Electro, and Technogym), government agencies (e.g. the European Space Agency) and professional sport organizations and national governing bodies in 5 countries (USA, Italy, Spain, Sweden, UK) before working in Qatar. In 2011 he was awarded the honour of "Cavaliere dello sport pontino" by the Italian Olympic Committee for his services to international sports. Dr Cardinale is currently an advisory board member of NIKE (SPARQ) and a member of the scientific commission of the Italian Track and Field Federation. Dr Cardinale holds a B.Sc. from ISEF in Italy, a M.Sc. from the US Sports Academy in the USA and a PhD from Semmelweis University in Hungary.

### **Prof Jill Cook, Australia**

Jill Cook is a Professor in musculoskeletal health in the School of Primary Health Care, Monash University in Australia. Jill's research areas include sports medicine and tendon injury. After completing her PhD in 2000, she has investigated tendon pathology, treatment options and risk factors for tendon injury. Jill currently supplements her research by conducting a specialist tendon practice and by lecturing and presenting workshops both in Australia and overseas.

### **Prof Ann Cools, Belgium**

Ann Cools is a physiotherapist, working as an associate professor at the Department of Rehabilitation Sciences and Physiotherapy at the Ghent University, Belgium. Her topic of research and teaching expertise, as well as her clinical work is shoulder rehabilitation in general, and sport specific approach and scapular involvement in particular. She finished her PhD in 2003, debating scapular involvement in sports related shoulder pain in the overhead athlete, and she has published numerous papers in peer-reviewed international journals, wrote contributions and chapters in several international recognized books, and gives courses on a national and international level. She is at present head of the Physical Therapy Education at the Ghent University, and was founding member and president of the European Society of Shoulder and Elbow Rehabilitation (EUSSER) 2008-2012.

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### **Dr Tom Clanton, USA**

Thomas Clanton, MD, is currently the Director of Foot and Ankle Sports Medicine for The Steadman Clinic in Vail, Colorado, in the United States. The Clinic is a U. S. Olympic National Medical Center and is internationally known for the care of orthopaedic sports injuries. Dr. Clanton joined The Steadman Clinic in 2009 after leaving his previous position as the Chairman of the Department of Orthopaedic Surgery at The University of Texas Health Science Center at Houston. While in Houston, he spent 10 years as Chairman and served as one of the Team Physicians for Rice University for 27 years. In addition, Dr. Clanton was the Lead Team Physician for the Houston Rockets in the National Basketball Association and served as one of the team orthopaedists for the Houston Texans when they entered the National Football League in 2002. He has also been a consultant to Major League Baseball, and the United States Ski and Snowboard Team, and is a Past President of the American Orthopaedic Foot and Ankle Society. Dr. Clanton is a frequent lecturer both nationally and internationally on sports medicine and foot and ankle topics.

### **Prof Wayne Derman, South Africa**

Wayne Derman is Professor of Sports and Exercise Medicine at the UCT Sport Science Institute of South Africa and is Co-Director of the Sports Medicine Services and Research Group, incorporating the FIFA Medical Centre of Excellence and IOC Research Centre for Injury Prevention and Health of the Athlete at the Institute. He is a senior partner of Derman & Schwellnus Inc., the Sports Medicine Practice at the Sport Science Institute of South Africa. This practice provides specialist Sports Medical consulting services to the South African Rugby, Soccer, Cricket, Commonwealth & Olympic Teams as well as members of the public. Professor Derman has played an important role in clinical support for South Africa's athletes at International level. He fulfilled the positions of Chief Medical Officer for the South African Team to the Sydney 2000, Athens 2004 Olympic Games, and more recently, Medical Officer for the South African Paralympic Team to Beijing in 2008. In December to May 2002, he served as Flight Surgeon to Cosmonaut Mark Shuttleworth during the "First African in Space" mission in Russia and recently served as the Medical Officer for Cape Town for the FIFA 2010 World Cup. Having diverse interests, he has been awarded many accolades in his career ranging from a Fellowship of the American College of Sports Medicine; the Val Schreire Award for the Outstanding Investigator in the Cardiovascular Field in Southern Africa; the Paul Harris award from Rotary International for community contribution; to a Mondri Award nomination for journalism. In December 2004, Professor Derman was named recipient of the Department of Health and Health Professionals Council award for Excellence in Health Care in South Africa. He is presently Specialist Sports Medical Editor of Men's Health and is widely regarded as a popular entertaining and humorous educational and motivational speaker.

### **Professor Lars Engebretsen, Norway**

Lars Engebretsen, MD, PhD, is a professor and director of research at the Orthopaedic Center, Ullevål University Hospital and University of Oslo Medical School and Professor and co-chair of the Oslo Sports Trauma Research Center. He is also Chief Doctor for the Norwegian Federation of Sports, and headed the medical service at the Norwegian Olympic Center until the autumn of 2011. In 2007 he was appointed Head of Science and Research for the International Olympic Committee (IOC). Lars Engebretsen is a specialist in Orthopaedic and general surgery and authorized as Sports Medicine Physician by the Norwegian Society of Sports Medicine. He serves as chief team physician for the Norwegian Olympic teams. The main area of research is resurfacing techniques of cartilage injuries, combined and complex knee ligament injuries and prevention techniques of sports injuries. He is currently the President of ESSKA (European Society of Sports Traumatology, Knee Surgery and Arthroscopy). He is the Associate editor and Editor in chief for the new IOC-BJSM journal: Injury Prevention and Health Protection. In addition, he serves on several major sports journal editorial boards and has published more than 200 papers and book chapters.

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### **Dr Ken Fitch, Australia**

Dr Ken Fitch has dedicated his working life to the field of sports medicine and in particular to the management and operation of Australian Olympic teams. Fitch received his early medical education in Adelaide as there was no medical faculty in Perth at the time. During vacations in his medical course he was employed by the Royal Perth Hospital as a pharmacy assistant. As a Subiaco General Practitioner he became interested in health programmes particularly those related to sports. In 1969 he established a sports and soft tissue injury clinic which he headed until July 2001. He commenced swimming classes for asthma sufferers in 1971 and established national sports medicine courses for doctors in 1981. For 40 years Fitch has played a leading role in sports medicine. From the Olympic games of 1972 onwards he has served as a physician and from 1975 to 1984 he was the chief physician at each Olympics. He has always been at the fore in relation to the wellbeing of athletes as shown by his involvement in no less than 12 Olympic Games. Within the Australian Olympic Committee, Fitch was the Sports Medicine Delegate from 1973 to 1985, Medical Officer at the 1972 Munich Games, Senior Medical Officer at the 1976 Montreal Games, Principal Medical Officer at the 1980 Moscow Games, and Senior Medical Director at the 1984 Los Angeles Games. He was secretary of the Olympic Medical Commission of Australian from 1981 to 1985 and Chairman since 1985, overseeing all sports medicine services for the 2000 Sydney Olympic Games. He has been chairman of the Oceania National Olympic Committee Medical Commission since 1984 and has been a Member of the International Olympic Committee Medical Commission from 1985 and chairman of the IOC Medications Advisory Committee since 1991. Fitch has been a Member of the International Association of Olympic Medical Officers from 1972 and was President from 1989 to 1992. In 1985 he became a Member of the Australian Sports Commission's National Program on Drugs in Sport, later renamed the Australian Sports Drug Agency, and was Deputy Chairman from 1987 to 1992. Fitch played an instrumental role with the recognition of the AGAL in Pymble NSW as an IOC accredited laboratory leading in the fight against drug abuse in sport. His interest in sport seems unending, he is currently the team doctor for the West Coast Eagles Football Club. Fitch has also been involved with the Australian Institute of Sport since 1974 in various roles and committees and is currently the Medical Consultant at the University of Western Australia Department of Human Movement and Exercise Science. Fitch has written extensively on sports medicine, illustrated by more than 58 articles in preferred journals, 28 book chapters and has been editor of seven books. In 1979 Fitch was made a Member of the Order of Australia (AM) for his service to sports medicine.

### **Dr Marie-Elaine Grant, Ireland**

Dr Marie-Elaine Grant (Dip. Physio, PhD, MSCP, MISCP) graduated from University College Dublin (UCD) and in 1990 was appointed to the Irish Olympic Medical Committee. She was subsequently appointed as Chief Physiotherapist to the Irish Team from 1992 to 2010 (5 Summer Olympic Games, 2 Winter Olympic Games, 10 European Youth Olympic Teams). She has worked extensively with Olympic and High-Performance Athletes in her specialist area of Sports and Exercise Physiotherapy. In 1997 she was awarded a research PhD. She regularly lectures on university Sports Physiotherapy programmes, presents at international conferences and has had peer-reviewed publications. She is an Associate Member of the UCD Institute for Sport and Health. She has been awarded Specialist Membership of the Irish Society of Chartered Physiotherapists (ISCP) in recognition of her expertise and contribution to Sports Physiotherapy in Ireland. In 2011 Marie-Elaine Grant was appointed to the IOC MC (Games Group) and was responsible for monitoring physiotherapy activities during the London 2012 Games. In parallel with this, she carried out extensive research projects on physiotherapy activities for scientific analysis and publication. Marie-Elaine Grant continues to promote and develop Sports Physiotherapy, both in Ireland and internationally.

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### **Dr Bruce Hamilton, New Zealand**

Dr Bruce Hamilton completed studies in Physical Education and Medicine at Otago University in NZ, prior to completing the Australasian College of Sports Medicine Fellowship in 2001. He worked at the Australian Institute of Sport, and was Chief Medical Officer for Athletics Australia for 2001 – 2002. Subsequently, he moved to the United Kingdom as the West Midlands Regional Lead Physician for the English Institute of Sport. In 2005 he was appointed Chief Medical Officer to UK Athletics. He worked in Aspetar (Qatar Orthopaedic and Sports Medicine Hospital) as a Sports Medicine Physician from 2008, and as Chief of Sports Medicine from 2010 - 2012. In 2013 Dr Hamilton returned to NZ to work as the Medical Lead for both High Performance Sport NZ and the NZ Olympic Committee. He is responsible for ensuring NZ has a world class medical service to support NZ's elite Olympic Athletes. Dr Hamilton has postgraduate qualifications in Tropical Medicine and Sports Law and is a Fellow of the Australasian and UK Faculties of Sports Medicine. He has research interests in muscle injury, the medical screening of Athletes and has published over 60 peer reviewed manuscripts or book chapters. Dr Hamilton has attended four World Track and Field Championships, two World Triathlon Championships, three Commonwealth and two Olympic Games in a medical capacity.

### **Dr Mark Hutchinson, USA**

Dr. Mark R. Hutchinson is a Professor of Orthopaedics and Sports Medicine at the University of Illinois in Chicago where he serves as Head Team Physician for all sports at the university. Over the past 25 years Dr. Hutchinson has cared for athletes at local, national, and international events. He has authored over thirty book chapters including serving as lead author on the elbow section for the IOC's handbook in sports medicine. He has authored over hundred journal articles and presented over a thousand talks at local, national, and international meetings and events. He has proudly attended every IOC World Congress on Sports Sciences and IOC World Congress in Injury Prevention and is ecstatic to serve as faculty for the IOC's Diploma in Sports Medicine.

### **Professor Will Hopkins, New Zealand**

Will Hopkins is professor of exercise science in the Division of Sport and Recreation at AUT University, Auckland, New Zealand. He is a fellow of the American College of Sports Medicine and an associate editor for ACSM's main journal, Medicine and Science in Sports and Exercise. He is also the statistical consultant for that journal. He founded the Sportscience website in 1997 and the Sportscience email list several years before that. His interest in athletic performance enhancement has led to several projects with research students and colleagues on effects of diet and supplements. Two of his current PhD students are working with top athletes.

### **Prof Kai Haakon Carlsen, Norway**

Kai-Håkon Carlsen is professor of paediatrics (Paediatric respiratory medicine and Allergology) at the University of Oslo, Institute of Clinical Medicine and senior consultant at the Paediatric Clinic, Oslo University Hospital, Rikshospitalet. He is professor of Sports Medicine at the Norwegian School of Sport Sciences. Kai-Håkon Carlsen has published more than 200 scientific papers in international peer review journals, cited by PubMed and several chapters in Medical textbooks on topics in paediatric respiratory medicine and allergology, and Sports Medicine. His research fields have been asthma, bronchial hyper-responsiveness in children and athletes, infant and childhood lung function and respiratory virus infections. One main research interest has been asthma and bronchial hyper-responsiveness in athletes, and he has followed the Norwegian national teams of Cross country skiers for 20 years for their respiratory and allergic problems. Kai-Håkon Carlsen has been chair of the Paediatric Assembly of the European Respiratory Society, chair of the European Respiratory Society School, and chair of the European Lung Foundation. He is presently member of the Tobacco Action Committee of the American Thoracic Society. He has been associate editor of European

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Respiratory Journal and Acta Paediatrica, member of the editorial boards of Allergy, Pediatric allergy and immunology and Pediatric pulmonology.

### **Prof Gino Kerkhoffs, The Netherlands**

Gino Kerkhoffs is professor in orthopaedic surgery and sports trauma at the University of Amsterdam. After studying medicine and writing his PhD thesis on ligamentous ankle injury in Amsterdam, he worked at the Canton of St. Gallen Hospital in Switzerland before returning to the Netherlands to work as an orthopaedic surgeon. He is an active member of various professional associations in the Netherlands and abroad, and is currently the vice-chair of the Dutch Arthroscopy Society. He is also the scientific chair of the biennial ESSKA Congress (European Society for Sports traumatology, Knee Surgery and Arthroscopy) and an honorary member of the American Orthopaedic Society for Sports Medicine. He has over 100 papers published in peer reviewed journals including the Lancet, the Journal of Bone & Joint Surgery, the Journal of Orthopaedic Trauma, Clinical Orthopedics and Related Research, and the American and British Journal of Sports Medicine. He has authored or co-authored over 20 book chapters and has presented at many scientific meetings throughout Europe, Latin and North America and the Asia Pacific. In 2014 his books Acute Muscle Injuries and The Ankle in Football were published by Springer.

### **Prof Karim Khan, Qatar**

Prof Karim Khan is Director of Research and Education at Aspetar. He has previously worked with international athletes from several Australian sports associations and professional ballet. Dr Khan has a strong background in research. He is also a recipient of the prestigious Prime Minister's Award in Australia for service to sports medicine.

### **Prof Michael Kjaer, Denmark**

Michael Kjaer is a Professor in Sports Medicine at the Faculty of Health and Medical Sciences at University of Copenhagen, Denmark. He is a MD, did a D.M.Sci (PhD) in exercise endocrinology and is a specialist in Rheumatology. His research area is the understanding of connective tissue and skeletal muscle to exercise, and he is head of Institute of Sports Medicine, Copenhagen that includes both a Sports Medicine Clinic and a research group at the Copenhagen University Hospital at Bispebjerg.

### **Dr David Martin, Australia**

David received his B.Sci. degree in Zoology from the College of Idaho, his M.Sci. degree in Exercise Physiology from Northern Michigan University and his Ph.D. in Physiology from the University of Wyoming. Before beginning doctoral studies, David worked as a research assistant at the United States Olympic Training Centre in Colorado Springs Colorado. His Master's research focused on the stability of the "Anaerobic Threshold" training intensity and doctoral research was aimed at better understanding peaking, tapering and overtraining in cyclists. David is currently a senior sports physiologist working within the Department of Physiology at the Australian Institute of Sport in Canberra and is also the National Sport Science Coordinator for Cycling Australia. As a Sport Scientist, David has provided support for Australian Cycling teams in the lead up to the 1996, 2000, 2004, 2008 and 2012 Olympic Games. David has more than 80 peer reviewed publications, 8 book chapters and many articles in popular cycling magazines. As an advisor to Olympic coaches and athletes David is very interested in winning environments and methodology that reveal human potential.

### **Professor Ron Maughan, UK**

Ron Maughan is Professor Emeritus at Loughborough University, UK, and is Chair of the Nutrition Working Group established in 2002 by the IOC Medical Commission. He organised the IOC Consensus Conferences on Nutrition in Sport in 2003 and 2010, the FIFA/F-MARC Consensus



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Conference on Nutrition in Football in 2005 the IAAF Consensus Conference on Nutrition in Athletics in 2007. He has published extensively in the scientific literature and is author or editor of a number of books on sports nutrition and exercise biochemistry. He is a member of the Editorial Board of several Journals, including MSSE, the International Journal of Sports Nutrition and Exercise Metabolism, the Journal of Sports Sciences, and the International Journal of Sports Medicine. He has been a director of the IOC Diploma program in Sports Nutrition since its inception in 2005.

### **Dr Frank Mayer, Germany**

Prof. Dr. Mayer was born in 1964. He studied Medicine in Tübingen, Germany and worked at the University Clinic in Tübingen till 2002 and at the University Clinic in Freiburg till 2005. Since 2006 he is Medical Director at the University Outpatient Clinic - Center of Sports Medicine at Potsdam University, Germany. He is orthopedic surgeon and specialist in Sports Medicine, as well as Dean of the Faculty of Human Sciences. Main Focus in research is the efficiency of conservative treatment strategies in prevention and rehabilitation of sports injuries in high-performance athletes as well as the overall population. Further topics are preparticipation examinations in adolescent and adult athletes, therapy and prevention of low back pain and tendinopathies. Recently, he is speaker of the national Research Network "Medicine in Spine Exercise". Besides daily patient's care Prof. Mayer is consultant in different athletic teams and responsible for the sports medicine in the Federal state of Brandenburg, Germany. Prof. Mayer is member of the Scientific board of German Society of Sports Medicine and Prevention (DGSP) and the medical commission of the German Olympic Sports Association (DOSB).

### **Prof Paul McCrory, Australia**

A/Prof Paul McCrory, MBBS PhD FRACP FACSP FACSM FFSEM FASMF FRSM GradDipEpidStats, is a consultant neurologist, internist and a sports & exercise physician. He is both an academic researcher and clinician and is based at the Florey Institute of Neuroscience and Mental Health in Melbourne, Australia. He also is the Co-Director of the Concussion research Program at Aspetar in Doha, Qatar. He is the former editor-in-chief of the British Journal of Sports Medicine as well as a former associate editor of Clinical Journal of Sports Medicine and serves on 5 other editorial boards. He is past-president of the Australasian College of Sports Physicians and is a Board member for the Institute of Sports and Exercise Medicine in the UK and is a Member of the Concussion/Mild TBI Subgroup for the US National Institutes of Health, National Institute of Neurological Disorders and Stroke. He is Chair of the International Concussion in Sport Consensus Group. He worked as team physician for 15 years with the Collingwood Football Club in the national Australian football competition as well as working at the Sydney Olympic Games and with a variety of other sports and individual athletes. He is a world expert in sport-related neurological injury. He has an extensive research record in the field of brain injury and sports neurology with over 450 publications and 5 text books. He has an ongoing professional interest in eHealth and is currently involved in the design and production of medical software for medical and allied health practice. He has also published extensively in the area of social media. In addition to numerous research awards he received the 2010 Duke of Edinburgh Prize (presented by the Institute of Sports and Exercise Medicine, Faculty of Sport & Exercise Medicine, Royal College of Surgeons (Edinburgh) and is awarded for an outstanding contribution to clinical and/or research work in the field of sports medicine.

### **Dr David McDonagh, Norway**

Dr David McDonagh is Assistant Professor at the National University, Trondheim, Norway. David is a consultant at the Accident and Emergency Dept., University Hospital Trondheim. David has established the Emergency Sports Medicine Research Centre at the NTNU University in Trondheim. He is Chair of the FIBT Medical Committee and is the Winter Olympic Federations

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representative to FIMS. He is main author of the FIMS Event Physician Manual (Emergency Sports Medicine). He has been team physician for the Norwegian Boxing team, Nordic Combined team, Bobsled and Luge team as well as a member of the Norwegian Rugby Union medical committee. He is physician for the Olympic Centre in central Norway. He is head of the Scientific and Education Committee in the European Federation of Sports Medical Associations. He is a member of the Norwegian Anti-doping Tribunal and the International Cricket Council Anti-doping Tribunal. David was Deputy Chief Medical Officer at the Lillehammer 1994 Olympic Winter Games, as well as CMO for 10 major World Championships in various sports. He has been an advisor to 7 Olympic Games organization committees.

### **Professor Winne Meeuwisse, Canada**

Dr. Meeuwisse, MD, PhD, is a Professor and physician at the University of Calgary Sport Medicine Centre in the Faculty of Kinesiology and the Leader of the Brain Injury Initiative with the Hotchkiss Brain Institute and the Alberta Children's Hospital Research Institute. He is engaged in research on sport health screening, risk analysis and injury prevention. He is Co-Chair of the Sport Injury Prevention Research Centre in the Faculty of Kinesiology at the University of Calgary, which is one of only 4 Centres in the world recognized by the International Olympic Committee. His injury prevention focus is on Concussion in Sport. He is a founding member of the Concussion in Sport Group and Co-Chair the 4th International Consensus Conference on Concussion in Sport. His clinical responsibilities include the range from recreational to professional athletes. He is the Co-Chair of the National Hockey League (NHL)/NHLPA Joint Health and Safety Committee. Recently, he completed a 14-year term as the Editor-in-Chief of the Clinical Journal of Sport Medicine (1998-2012).

### **Dr Chris Milne, New Zealand**

Dr Chris Milne is a Sports Physician in private practice at Anglesea Sports Medicine in Hamilton, New Zealand. He has been Team Doctor for NZ Olympic and Commonwealth Games teams from 1990 to the present, and was Team Doctor for the Chiefs Super Rugby team from 1997 to 2003. A Past President of the Australasian College of Sports Physicians, he has also served as National Chairman of Sports Medicine NZ. He has been Medical Director of Rowing NZ since 2002, and is currently Chair of the Medical Commission for Oceania National Olympic Committees. He has a longstanding interest in medical writing, and is a previous editor of the NZ Journal of Sports Medicine.

### **Dr Margo Mountjoy, Canada**

Margo received her medical education and her family medicine training at McMaster University. She obtained her sports medicine specialty degree in Ottawa, Canada in 1990. Margo has worked as a community sports medicine physician in the Health & Performance Centre at the University of Guelph since 1988 where she has focussed her practice on promoting elite athlete care and physical activity promotion in the general population. In addition, Margo has acted as the national team physician for Synchro Canada for 20 years as well as for the National Endurance Training Centre Athletes (middle and long distance track athletes) and the National Triathlon & Wrestling team training centres. Margo is a Clinical Professor in the Faculty of Family Medicine in the Michael G. DeGroote School of Medicine, McMaster University where she teaches sports medicine and is the Director of Student & Resident Affairs. Margo is a member of the FINA Executive Board and holds the portfolio of Sports Medicine. She is also a member of the ASOIF Medical Consultative Group and the IOC Medical Commission Games Group. Margo sits on the TUE committees of the IOC, WADA and CCES as well as the USADA and IRB Anti-doping Review Boards. Margo's areas of research focus on elite athlete health and safety.

Projects for the IOC include:

Youth Athlete Development

Relative Energy Deficiency in Sport

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Female Athlete Health educational tool  
Editor: IOC Handbook on the Female Athlete  
Female Athlete Triad: Consensus & Healthy Body Image Videos  
Sexual Harassment & Abuse in Sport: Consensus & Educational Tool  
Exercise in Extreme Environments  
Training the Elite Child Athlete  
IOC Pre-Participation Evaluation Expert Group  
Fitness and Health of Children through sport  
IOC Injury and Illness Surveillance Task Force  
IOC Academic Advisory Board  
Upper and lower water temperature safety in marathon swimming

### **Dr Iñigo Mujika, Basque Country**

Iñigo Mujika earned two Ph.D.s in Biology of Muscular Exercise (University of Saint-Etienne, France) and Physical Activity and Sport Sciences (University of The Basque Country). He is also a Level III Swimming and Triathlon Coach and coaches world class triathletes. His main research interests in the field of applied sport science include training methods and recovery from exercise, tapering, detraining and overtraining. He has also performed extensive research on the physiological aspects associated with sports performance in professional cycling, swimming, running, rowing, tennis, football and water polo. He received research fellowships in Australia, France and South Africa, published over 90 articles in peer reviewed journals, four books and 30 book chapters, and has given 210 lectures and communications in international conferences and meetings. Iñigo was Senior Physiologist at the Australian Institute of Sport in 2003 and 2004. In 2005 he was the physiologist and trainer for the Euskaltel Euskadi professional cycling team and between 2006 and 2008 he was Head of Research and Development at Athletic Club Bilbao professional football club. He was Physiology consultant of the Spanish Swimming Federation in the lead-up to London 2012. He is now the Head of Physiology and Training at Euskaltel Euskadi World Tour Cycling Team, Associate Editor for the International Journal of Sports Physiology and Performance, and Associate Professor at the University of the Basque Country.

### **Prof Phillip O'Connor, UK**

Phil O'Connor trained in medicine in St Andrew and Manchester. He undertook radiology training in Leeds, North Carolina and Leiden and was appointed consultant MSK radiologist at Leeds in 1996. He now leads a team of seven MSK radiologists in Leeds. The team has an international reputation for clinical, academic and educational excellence in MSK radiology holding offices of responsibility within all international musculoskeletal radiology societies. Dr O'Connor is a full time MSK radiologist with over 15 years of sports imaging predominantly in soccer, cricket, golf, athletics and rugby. Dr O'Connor was the imaging lead for the 2012 Olympics and organized radiology services for the commonwealth games in Manchester and the WIA championships in Birmingham. As part of Olympic legacy he authored a successful interfaculty proposal for an RCR-FFSEM 2012 fellowship program initially funded for 2 years from industry. Dr O'Connor is a member of the European tour PGA medical advisory board. In research Dr O'Connor is an international expert on MSK imaging with 150 peer reviewed publications. He has research interests in all aspects of MSK disease and in rheumatoid arthritis he has developed a gold standard biomarker. He was applicant, author and interviewee for two successful £6m+ NIHR biomedical unit grant. He is clinical mentor on Wellcome trust and NIHR fellowship grants and was first opponent for a university of Oslo PhD in 2010. He is principle investigator for a £250K ARC grant investigating new MR biomarkers for tendon disease in SpA.

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### **Dr Paul Piccininni, Canada**

Dr. Paul Piccininni is a member of both the IOC Medical Commission Games Group and the IIHF Medical Committee. He has helped the IOC to develop and operate the dental service at the past 9 Summer and Winter Olympic Games. Dr. Piccininni is part of the Sport Medicine staff at York University in Toronto, and is Team Dentist for the Mississauga Steelheads of the Canadian Hockey League. He has lectured extensively on Sport Dentistry, and is both a Fellow of the Academy for Sport Dentistry and a founding member of the International Society for Dentistry, Sport and Trauma. He has a private practice in Toronto.

### **Dr Jack Raglin, USA**

Jack Raglin, PhD, FACSM, is Professor in the Department of Kinesiology in the School of Public Health at Indiana University-Bloomington. He is a Fellow in the American Psychological Association, the American College of Sports Medicine and the American Academy of Kinesiology. His research involves integrating the use of psychological and physiological variables to examine various issues in sport and exercise, including overtraining, pre-competition anxiety, performance and the relationship between exercise and mental health.

### **Prof Per Renstrom, Sweden**

Per Anders Frans Hjalmar Renström received his certificate as medical doctor at Göteborg University in Sweden in 1972. He finished his residency in orthopedic surgery in 1977 and defended his Ph.D. thesis in 1981 with a book on below-knee amputees. Up to 1988, Per worked at the Department of Orthopedics at Sahlgren University Hospital in Göteborg, Sweden. In 1988 Per and his family relocated to the University of Vermont in Burlington, Vermont, USA, where Per worked as full professor in Orthopedics and Sports Medicine up to 2007 before returning as professor of Orthopedic sports medicine to the Karolinska Institutet and head of Sports Medicine at the Department of Orthopedics at the Karolinska University Hospital, Stockholm, Sweden. Per is since January 2007 professor emeritus at the Karolinska Institutet. Per has been very active in research in Orthopedic sports medicine including clinical studies on management, surgery, rehabilitation and prevention of injuries occurring in sports and physical activity, basic research in biomechanics of knee and ankle ligaments and the healing of Achilles tendon injury, as well as research in amputation and prosthetics. Per has been author of over 350 full scientific publications, including 184 original scientific publications in peer reviewed journals. Per is the author or editor of 17 books and 73 full chapters in books and proceedings. The book "Injuries in Sport" authored together with Lars Peterson is a worldwide bestseller. In 1994 Per as part of the Vermont research group received the Kappa Delta Award for Outstanding Orthopedic Research by American Academy Orthopedic Surgeons and Orthopedic Research Society (Highest research honor in Orthopedics). Per has twice (1996 and 1999) received the O'Donoghue Research Award by the American Academy Orthopedic Sports Medicine (AOSSM). In 2005 Per received the SCIF prize for "Outstanding research in Sports Science in Sweden". Per was in 2000 by the Swedish Government appointed and in 2003 and 2006 reappointed as chairperson of the Swedish National Research Council of Sports Science. Per has been the chairperson for Special Olympics, Sweden 1999-2007 and been active in several other sports organizations. Per was 1990-1998 vice president of FIMS - International Sports Medicine Federation. Per was president 2003-2005 of the international worldwide peer group organization ISAKOS - the International Society of Arthroscopy, Knee Surgery and Orthopedic Sports Medicine, after being secretary 1977-1979 and vice president (1999-2003). Per is a member of the Medical and Scientific Commission of the IOC - International Olympic Committee since 1996. Per is the IOC person responsible for the medical service of the athletes during the Olympic Games. Per has been a member of the IOC Publication Advisory Subcommission (1989-2003) and is a founding member of the IOC Olympic Academy of Sport Sciences. Per has been Physician for the Swedish Davis Cup team in tennis for several years and retired in 2003. Per is the founder, vice president and president 1998-

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2002 of the International Society of Medicine and Science in Tennis (STMS). Per is a member of Medical Services Committee of the ATP World Tour - Association of Tennis professional with responsibility for the medical service for the men's tennis professional tour around the world. Per is a member of the Medical and Scientific Commission of the ITF - International Tennis Federation. Per is presently the Federation head physician for the Swedish Football / Soccer Federation. In 2000 Per received FIMS Gold Medal, which is the highest honor given by FIMS - the International Federation of Sports Medicine. Per was in 2009 elected Honorary member by ISAKOS- International Society of Arthroscopy, Knee surgery and Orthopedic Sports Medicine, in 2003 of AANA - the Arthroscopy Association of North America and in 1992 by the Swedish Society of Sports Medicine. In 2007 the Hungarian National Society of Sports Medicine gave Per their highest award. In 2008 Per was awarded Honorary Fellowship by the Faculty of Sports and Exercise Medicine in both the Royal College of Physicians of Ireland and Royal College of Surgeons in Ireland. In July 2009 Per was inducted in the Hall of Fame by AOSSM – American Orthopedic Society of Sports Medicine. In October 2010 Per received the “Duke of Edinburgh Prize” awarded by the Institute of Sport and Exercise Medicine (UK), which is the most prestigious award in Sports Medicine in United Kingdom. Per was awarded Honorary Fellowship by the Faculty of Sports and Exercise Medicine by the Faculty of Sports and Exercise Medicine in the Royal College of Physicians, UK in 2011

### **Dr William Roberts, USA**

Dr William Roberts, MD, MS, FACSM, is a Professor in the Department of Family Medicine and Community Health at the University of Minnesota Medical School and Program Director at University of Minnesota St Johns Family Medicine Residency in St Paul, MN. His special medical interests are in sports medicine and he has a sub-specialty certificate in Sports Medicine, is a Fellow, Past President, and Past Foundation President of the American College of Sports Medicine; a charter member of the American Medical Society of Sports Medicine; a founding member and past President of the American Road Race Medical Society (transitioning to the International Institute of Race Medicine); Editor in Chief for Current Sports Medicine Reports; an Editorial Board Member of Medicine and Science in Sports and Exercise, British Journal of Sports Medicine, and Clinical Journal of Sport Medicine; the Medical Director for the Twin Cities Marathon; the Chair of the Sports Medicine Advisory Committee for the Minnesota State High School League; and a member of the USA Soccer Cup Tournament Sports Medicine Advisory Committee. His research is in ice hockey and marathon related illness and injury. He has authored many research and educational publications in sports medicine, and has presented nationally and internationally on sports medicine topics.

### **Professor Dominique Sprumont , Switzerland**

Dominique Sprumont is Professor of Health Law at the Law Faculty of the University of Neuchâtel (Switzerland). He is Founder and Deputy Director of the Institute of Health Law of the University of Neuchâtel ([www.unine.ch/ids](http://www.unine.ch/ids)), an academic centre of the World Medical Association ([www.wma.net](http://www.wma.net)) since 2013. He has collaborated in the drafting of several legislations in the field of health and healthcare at the Federal and Cantonal level. He is also regularly invited by scientific and professional associations in developing their guidelines in those fields. For instance, he coordinated the drafting of the Olympic Movement Medical Code for the IOC in 2006 and contributed to the 2008 and present revision of the Declaration of Helsinki of the World Medical Association. He is an expert in the field of patients' rights and public health law, a with special interest in the regulation of research with human subjects, patients' rights, the regulation of healthcare professionals, pharmaceutical and foodstuff regulation, and he has written more than 90 scientific publications, articles and book chapters on those issues. He is invited as expert by several organizations working in the field of health law and ethics at the national and international level (e.g. Swiss Academy of Medical Sciences, Council of Europe, European Union, World Medical Association, World Health Organization). He is one of the founders of the European Network of Research Ethics Committees

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supported the European Commission ([www.eurecnet.org](http://www.eurecnet.org)). Since 2006, he has also been the coordinator of the EU funded project Training and Resources in Research Ethics Evaluation (TRREE) which aims at providing e-resources on research ethics and regulation as well as an online training program in the field (<http://elearning.trree.org>).

### **Dr Mark Stuart, UK**

Mark Stuart (BPharm, FRPharmS, PGDip CDDS, Dip Bot Med) was the Superintendent Pharmacist for the London 2012 Olympic and Paralympic Games Organising Committee, where he was responsible for overseeing the design and delivery of the pharmacy services across three Olympic and Paralympic Villages and 35 competition venues. In 2013 he was appointed as the first pharmacist representative for the International Olympic Committee Medical Commission, as a member of the IOC Games Group. Mark was also the Superintendent Pharmacist for the Manchester 2002 Commonwealth Games and Pharmacist for the Sydney 2000 Olympic Games and Melbourne 2006 Commonwealth Games. He worked with doping control for the Athens 2004 Olympics and Turin 2006 Winter Olympics and delivered the medical training programme for the medical staff of the 2008 Beijing Olympic Games. Mark is the Superintendent Pharmacist for the Glasgow 2014 Commonwealth Games. Mark was designated a Fellow of the Royal Pharmaceutical Society in 2012 for his contribution to the pharmacy profession in the field of sports pharmacy. He is also a member of the World Anti-Doping Agency Prohibited List Expert Group.

### **Dr Kathrin Steffan, Norway**

Kathrin Steffen, PhD, is a senior researcher at the Oslo Sports Trauma Research Center (OSTRC) at the Norwegian School of Sport Sciences. Besides her studies in Norway, she has a Master degree from The German Sports University in Cologne (Diplom Sportwissenschaft). Her primary research field is sports injury prevention, with focus on young athletes and ACL research. Presently, she leads the outreach activities of the OSTRC. Kathrin also works as a research assistant at the Department of Medical & Scientific Activities in the International Olympic Committee (IOC), where she is enrolled in the injury & illness surveillance programs during Olympic Games. Together with Professor Lars Engebretsen, she serves as an editor for the four annual IOC-supported issues of the British Journal of Sports Medicine - Injury Prevention and Health Protection. Kathrin is a former tennis player and enjoys much her "comeback".

### **Professor Jorunn Sundgot-Borgen, Norway**

Jorunn Sundgot-Borgen is a Professor of Physical Activity and Health at the Department of Sports Medicine at the Norwegian School of Sport Sciences. She is also vice chair of the National Council on Physical Activity. For 10 years she also was at the Medical Department at the National Olympic Training Center and Chair of the Nutrition Department. Under the auspices of the I.O.C Medical Commission she was part of the following working groups; The Female Athlete Triad working group and is part of an ad Hoc Research Working Group on Body Composition, Health and Performance. She was co-author of the ACSM position paper on the Female Athlete Triad. Her main research area is the female athlete triad. Professor Sundgot-Borgen is also a former national team gymnast and coach, and has three children.

### **Dr Johannes Tol, Qatar**

Dr Hans Tol is a Dutch trained Sports Medicine Physician specialising in medical management of tendon and muscle injuries. Dr Tol is a senior associate editor of the British Journal of Sports Medicine and has published extensively in international peer-reviewed journals. He did his PhD on the etiology, diagnosis and arthroscopic treatment of the anterior ankle impingement syndrome with Professor Niek van Dijk in Amsterdam. He initiated and/or supervised multidisciplinary PhD projects on groin injury, Achilles tendinopathy (including platelet rich plasma), medial tibial stress

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syndrome, hamstring injury and injury epidemiology. Besides his clinical work and research projects, he carried out extensive sports medical fieldwork through positions in two professional soccer clubs and, on an incidental basis, National Baseball, National Handball team, the Dutch Squash and Golf Association. Since 2004 he worked for the Royal Dutch Football Association and since 2008 he was assigned as Sports Physician of the U21 National Soccer Team. From 1982-1988 he played in the highest youth and U21 teams of a Dutch professional premier league soccer team.

### **Dr Michael Turner, UK**

Mike Turner is Chief Medical Adviser, Lawn Tennis Association (LTA) and Chief Medical Adviser, British Horseracing Authority (BHA – formerly known as the Horseracing Regulatory Authority and The Jockey Club). After qualifying at St. Thomas' Hospital, Dr Michael Turner joined the British Ski Federation as their first Honorary Medical Advisor. While pursuing a career in occupational health, he undertook the traditional duties of a governing body Medical Advisor – travelling with the team, attending World championships and assembling a network of medical and sports science support for the sport. He attended the Winter Olympics at Calgary and the following year joined the British Olympic Association (BOA) as deputy Director of Medical Services. After the Winter Games in Albertville, he was appointed Director of Medical Services at the British Olympic Association and was given charge of Team GB at the Lillehammer Winter Games. In 1992, he was approached by the Jockey Club to undertake a review of the medical arrangements in racing and was subsequently appointed as their Chief Medical Adviser in March 1993. Following the Lillehammer Games he relinquished his role with the BOA to take up post as the first Chief Medical Adviser to the Lawn Tennis Association. He currently divides his time between two professional sports - tennis and horseracing. He is a keen skier and recreational tennis player and his particular areas of interest are safety in high risk sports, protective equipment in sport, child protection, screening, concussion and doping control. He is a former Treasurer of both the Institute of Sport and Exercise Medicine (ISEM) and the British Association of Sport and Exercise Medicine (BASEM), and a former member of the International Medical Committee of FIS (International Ski Federation). He is currently on the Editorial Board of the British Journal of Sports Medicine (BJSM) and the Journal of Medicine and Science in Tennis.

### **Dr Bruce Twaddle, USA**

Dr. Bruce Twaddle is an internationally renowned and respected orthopedic surgeon with subspecialty training in Sports Surgery and Orthopedic Trauma. He is experienced with all soft tissue and joint injuries of the knee, shoulder, elbow, foot, and ankle. He joined the faculty at the UW Department of Orthopaedics and Sports Medicine in the spring of 2013 and currently serves as the Chief of Orthopaedic Sports Medicine at the UW Medicine Sports Medicine Center at Husky Stadium. He attended the University of Auckland Medical School in Auckland, New Zealand, and completed the Australasian College of Surgeons Orthopaedic training program in 1993. He was an Orthopaedic Trauma Fellow at Harborview Medical Center in 1994/1995 and has maintained links with the University of Washington ever since. His subspecialty training included postgraduate fellowships in Knee Surgery with Barry Tietjens, Orthopaedic Trauma at the Harborview Medical Centre in Seattle and Sports Surgery at the Fowler Kennedy Sports Medicine Clinic in London, Ontario. He was appointed to the staff at Auckland Hospital in 1996 where he was the Director of Orthopaedic Trauma. He has been actively involved in Orthopaedic teaching and education and has been involved in the AO trauma education community since 1996. He was the youngest ever trustee of AO International in 1999 and has been a member of the ISAKOS sports medicine committee. In 2003 he became the Director of Orthopaedics Trauma at Auckland Hospital and has served as a consulting physician and team physician for several New Zealand sports teams. Dr. Twaddle was a founding partner of UniSports Clinic in Auckland and co-founder of the Adidas Sports Medicine Centre, a FIFA Centre of Excellence. His clinical interests include complex articular trauma, tendon injuries and

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their treatment, osteotomy surgery, stress fractures and multiple ligament knee injuries. Dr. Twaddle's extensive sports medicine experience includes: Fellowships completed in knee surgery, orthopaedic trauma, and sports orthopaedic surgery, in Auckland, Washington and Ontario; 1998 recipient of the Western Pacific Orthopaedic Association Sports Medicine Traveling Fellowship to USA; Lecturer, Department of Orthopaedics, University of Auckland; Consultant Orthopaedic Surgeon to the New Zealand National and New Zealand Breakers Basketball Team, 2010 and 11 ANBL Champion; Author of many orthopaedic and sports medicine book chapters. Research interests include ongoing research and publications relating to the knee, shoulder, ankle, and tendon injury and treatment and methods of improving exercise recovery and return to sport after injury.

### **Dr Peter van de Vliet, Germany**

Dr. Peter Van de Vliet is Medical & Scientific Director of the International Paralympic Committee (IPC), with office in Bonn, Germany, since October 2006. His portfolio includes classification, anti-doping, medical services, sports sciences and equipment. Dr. Van de Vliet, Belgian citizen, holds a Ph.D. in Physiotherapy and Motor Rehabilitation from the Katholieke Universiteit Leuven, Belgium, on the theme of 'Exercise in Clinical Depression'. Prior to taking the position in the IPC, he was commercial agent in mobility devices for persons with a disability, and later worked as researcher at the Leuven University with particular interest in Paralympic classification and psychosocial determinants of sports-participation in athletes with a disability. He was member of the Belgian Paralympic Team for Atlanta 2006 (Athletics Coach) and Athens 2004 (Wheelchair Rugby Team Manager), and member of the Belgian Paralympic Committee Elite Athlete Sport Counseling Group. He also was Chef de Mission for numerous Belgian delegations at European and World Championships in IPC Athletics and IWAS Wheelchair Rugby in the period 1992-2006. Dr. Van de Vliet regularly speaks and publishes on Paralympic sport classification, anti-doping and medical care, and acts as occasional reviewer for several international journals.

### **Dr Niek van Dijk, The Netherlands**

Niek van Dijk is Professor in Orthopaedics and head of the Orthopaedic Department at the Academic Medical Centre Amsterdam, University of Amsterdam and is specializes in surgery of the ankle and knee, sport traumatology and arthroscopy. He is currently President of ESSKA-AFAS, the Ankle and Foot Association of ESSKA. Prof van Dijk was President of ESSKA (European Society for Sport Traumatology, Knee Surgery and Arthroscopy) and the NOF (Nordic Orthopaedic Federation), He is a member of several editorial boards and board member of ISAKOS. The research lines of Niek van Dijk focuses on ankle and hind foot pathology, arthroscopy and sports traumatology. The title of his thesis is 'On diagnostic strategies in patients with severe ankle sprain' (March 24th 1994). Concerning long term results several aspects are under research, such as prevention of residual ankle complaints. Diagnostic and therapeutic strategies on chronic ankle injuries have been the focus of research. New minimal invasive operative techniques were developed for treatment of chronic articular and peri-articular ankle pathology. Niek van Dijk published over 250 scientific indexed publications and 100 chapters and he presents on average 25 international invited lectures a year.

### **Dr Alan Verneec, USA**

Dr. Alan Verneec is the medical director of WADA since 2009. He is a graduate of the University of California, San Diego (Bioengineering) and McGill University (Medicine). He continues to work in clinical sport medicine and teaches at both *l'Université de Montréal* and McGill University. Dr. Verneec has extensive experience with elite sports. He has been team physician for professional and national sport teams and has been the medical directors of Athletics Canada and Judo Canada for 16 years. His duties as a Canadian team physician brought him to scores of international competitions including three Olympic Games. His passion for sport and belief that all athletes should be able to



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engage in fair competition provides the drive for the extensive challenges that are part of the duties at the World Anti-Doping Agency. Although the athlete remains at the core, Dr Vernec relishes working with the international sport and medical communities.

### **Dr Mike Wilkinson, Canada**

Dr Mike Wilkinson, MBBCh, MBA, Dip Sports Med, is a sports medicine physician and the Director of human performance for the Vancouver Canucks. He qualified at the University of the Witwatersrand, Johannesburg, South Africa and has 30+ years experience providing medical coverage for sports events. He also holds the CASM Diploma in Sports Medicine and an MBA, Queens University. Prior to joining the Canucks he practiced sports and exercise medicine at the Allan McGavin Sports Medicine Centre at UBC, Vancouver where he is an Assistant Clinical professor. Mike recently served as the Director, Medical Services at VANOC 2010, responsible for all host medical services for the Olympic and Paralympic games, He serves as the CMO and team physician for Canadian Rowing since 1999 and has worked with the Canadian senior Rugby Team since 1997 (including for the 2003 and 2007 World Cup campaigns). He was selected as a core physician for the Canadian Olympic teams for 2004 / 2008 / 2012 Olympics, and as the Chief Medical Officer for the Canadian Olympic Committee at the Pan-American Games in Rio de Janeiro in 2007. At present Mike is a member of the Board of Directors for Own The Podium (OTP) and a member of the international Rowing (FISA), and Bobsleigh (FIBT) federations Sports medicine commissions. He is an expert advisor to the IOC medical commission, SOCHI 2014 and Toronto 2015 organizing committees. Mike is a member of the National Sports medicine and Science advisory Committee (NSSMAC), the CASEM team physicians committee, the BC and Canadian Rugby Sport Medicine & Science Advisory Committee, and a past Medical Director for the Vancouver International Marathon.

### **Dr Igor Zagorskiy, Russia**

Igor Zagorskiy joined anti-doping community in January 2008 as Deputy Director of Russian Anti-Doping Agency (RUSADA). My previous working experience allowed me to acquire proven qualifications in consulting, sales, resource management, international cooperation, investment and finance. In 2009 I became PhD in Economics. When I first knew about the huge work that had been done by IOC, WADA and the rest of anti-doping community aimed at the fight against doping I was amazed by the importance of preserving clean sport and defending athletes' health as well as their rights for fair competitions. In RUSADA I'm responsible for a number of directions and one of them and probably most challenging is Education. I do believe that effective education and deterrence program is a key success factor in tackling doping around the globe. From 2008 RUSADA created and successfully started a comprehensive educational program «For health and fairness in sport», it is a multilevel program aimed at different target audiences including athletes, coaches, doctors, sport administratives, junior athletes and their parents, children, sponsors in sport, press, politicians etc. The ultimate goal of this program is to change attitude towards Doping in Russia. In 2009 there was a successful launch of outreach program in Russia. In August 2008 as a part of BOCOG I took part in Anti-Doping activities during the Olympic Games in Beijing. In 2011 I became a member of WADA Education Committee.