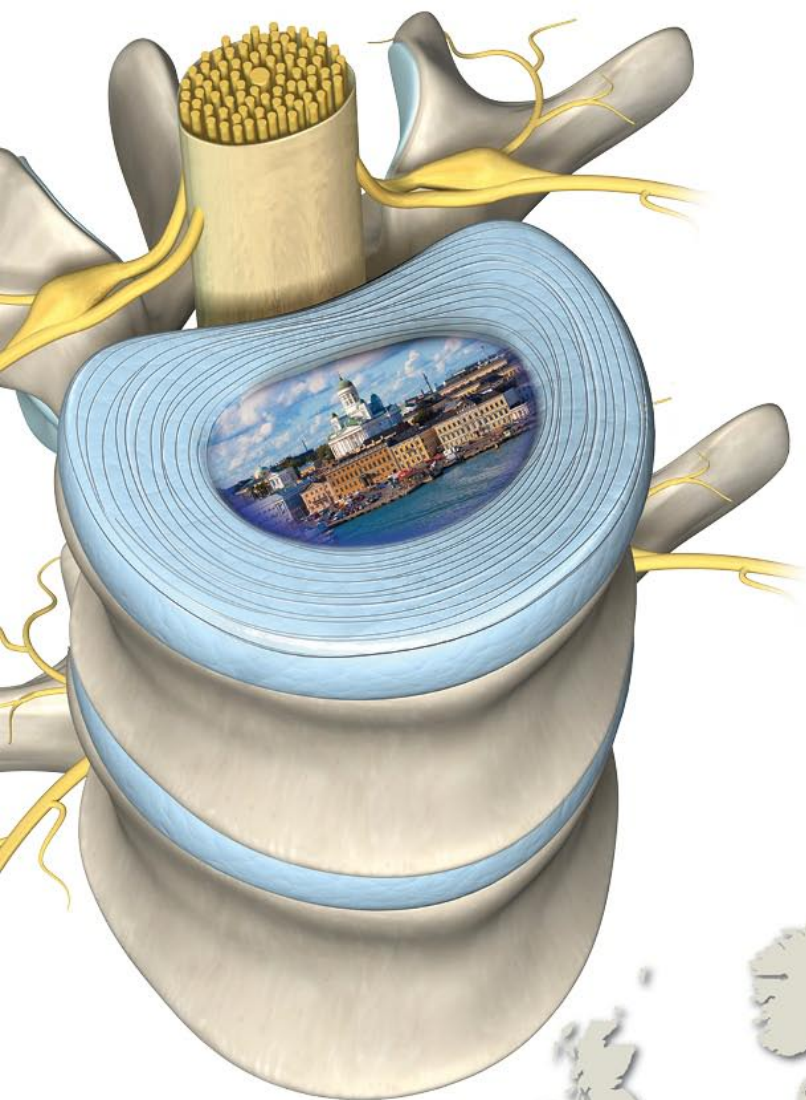


WORLD FORUM FOR SPINE RESEARCH 2012

The Intervertebral Disc— from Degeneration to Pain

Helsinki, Finland



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Program overview

Your guide to the World Forum
for Spine Research
preliminary agenda



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PRELIMINARY AGENDA

Monday, 18 June 2012

Time/Session	Lecture/Discussion	Moderator/Speaker
12:00-13:00	Participant registration	
13:00-17:30	Pre-meeting tutorial—Starting Disc Research: what is needed?	
13:00-14:00	How I do research / set-up my lab	T Lund
13:00-13:10	An engineering lab	J Lotz
13:10-13:20	A biology lab	K Masuda
13:20-13:30	Balancing clinical vs basic science research	K Cheung
13:30-14:00	Round table discussion	
14:00-15:00	How to organize large scale research programs	K Ito
14:00-14:15	Multidisciplinary disc research	K Cheah
14:15-14:30	Multicenter clinical trials	J Fairbank
14:30-15:00	Round table (bridging the gap between basic and clinical research)	
15:00-15:30	Health Break	
15:30-16:20	Publishing research findings	K Cheung
15:30-15:40	EBSJ and Global Spine Journal	J Chapman / J Wang
15:40-15:50	Tips and tricks in writing winning research articles	G Andersson
15:50-16:00	Lancet	S Spencer
16:00-16:20	Round table discussion	
16:20-17:00	Maximizing your chances in grant applications	J Wang
16:20-16:30	National Institutes of Health	J Iatridis
16:30-16:40	European Union	J Urban
16:40-16:50	AO Foundation and AOSpine research grants	K Ito
16:50-17:00	Discussion and round-up	
17:30-19:00	Welcome reception with poster area and exhibition opening	

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Tuesday, 19 June 2012

Time/Session	Lecture/Discussion	Moderator/Speaker
08:00-10:00	Pain I: Imaging of pain	G Fairbank / G Ochoa
08:00-08:15	Functional neuroimaging of pain—basics	E Kirveskari
08:15-08:30	Neuroimaging—chronic pain Altered central nervous system processing in chronic pain disorders	L Stone
08:30-08:40	Clinician's view	J Fairbank
08:40-09:10	Discussion	
09:10-09:50	Free Papers (x4, 10 min pres)	
09:50-10:00	Discussion (4 simultaneously)	
10:00-10:30	Break	
10:30-12:30	Pain II: Neuromuscular control in chronic low back pain: cause or effect?	M Adams / J Wang
10:30-10:45	Neuromuscular control in chronic low back pain: cause or effect?	P Hodges
10:45-11:00	How to examine neuromuscular control clinically	H Luomajoki
11:00-11:10	Clinician's view Fear and avoidance behaviour: cause or effect of chronic low back pain?	Jl Brox
11:10-11:40	Discussion	
11:40-12:20	Free Papers (x4, 10 min pres)	
12:20-12:30	Discussion (4 simultaneously)	
12:30-13:30	ICL lunch session	
13:30-15:30	Pain III: Novel insights into low back pain	S Rajasekaran / L Vialle
13:30-13:45	The role of genetics in pain	D Chan
13:45-14:00	Neuropathic mechanisms in low back pain: implication on treatment	R Mannion
14:00-14:15	Neurostimulation for low back pain	JP van Buyten
14:15-14:30	What can be achieved by surgery	K Takahashi
14:30-14:50	Discussion	
14:50-15:20	Free Papers (x3, 10 min pres)	
15:20-15:30	Discussion (4 simultaneously)	
15:30	Excursion (details to be announced)	

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Wednesday, 20 June 2012

Time/Session	Lecture/Discussion	Moderator/Speaker
08:00-10:20	Mechanisms of Disc Degeneration I: What is more dominant in mechanisms of dynamic disc degeneration?	J Lotz / J Urban
08:00-09:00	<i>Debate/Forum: starts with 5 min presentations from speakers, followed by questions and answers from moderator as well as audience</i>	
	Inflammation and senescence in the nucleus pulposus	L Setton
	Wear and tear of the annulus fibrosus	M Adams
	Role of loading history	J Iatridis
	Mechanisms of hereditary factors	D Chan
09:00-09:30 09:30-09:40	Free Papers (x3, 10 min pres) Discussion	D Chan / J Iatridis
09:50-10:10 10:10-10:20	Free Papers (x3, 10 min pres) Discussion	
10:20-10:50	Break	
10:50-12:20	Mechanisms of Disc Degeneration II: The role of the endplates?	D Sakai / L Setton
10:50-11:50	<i>Debate/Forum: starts with 5 min presentations from speakers, followed by questions and answers from moderator as well as audience</i>	
	How certain are we that nutrition plays a role in vivo?	J Urban
	Do endplate changes really limit nutrition to the intervertebral disc?	J Lotz
	What are the clinical implications?	S Rajasekaran
	Schmorl's nodes: do they have a role?	D Samartzis
11:50-12:20	Short Talks (x6, 5 min pres)	S Rajasekaran / D Samartzis
12:20-13:30	ICL lunch session	

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13:30-16:00	Diagnostics: What's new?	J Chapman / J Wang
13:30-13:45	Intervertebral disc and low back pain diagnostics: what works, what doesn't	J Wang
13:45-13:55	Discussion	
13:55-14:10	Biomarkers	A Bothakur
14:10-14:25	MR spectroscopy	V Haughton
14:25-14:40	New imaging modalities	
14:40-14:55	Discussion	A Borthakur / V Haughton
14:55-15:25	Free Papers (x3, 10 min pres)	
15:25-15:35	Discussion	
15:35-16:00	Short Talks (x5, 5 min pres)	
16:00-16:30	Break	
16:30-17:30	Disc Preservation I: Evaluation models	M Adams / K Ito
	<i>Debate/Forum: starts with 5 min presentations from speakers, followed by questions and answers from moderator as well as audience</i>	
	Murine models	R Härtl
	Lapine models	K Masuda
	Bovine/ovine/caprine models	M Alini
	Canine models	B Meij
	Human in vitro	L Haglund
	Free Papers (x3, 10 min pres)	M Alini / R Härtl
	Discussion	
18:30-23:00	Banquet (details to be announced)	

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Thursday, 21 June 2012

Time /Session	Lecture/Discussion	Moderator/Speaker
08:00-09:40	Disc Preservation II: From bench to bedside, where do we stand?	G Andersson / K Cheung
08:00-08:15	The clinical hurdles to disc preservation: what will it take?	G Andersson
08:15-08:25	Discussion	
08:25-08:40	Anti-catabolic vs. pro-anabolic	L Creemers
08:40-08:55	Progenitor cells	D Sakai
08:55-09:10	Notochordal cells	T Guehring
09:10-09:25	Discussion	
09:25-09:40	Short Talks (x5, 5 min pres)	L Creemers / T Guehring
09:40-10:20	Break	
10:20-12:30	Disc Preservation II: From bench to bedside, where do we stand? (continued)	K Cheah / K Masuda
10:20-10:35	Gene therapy	N Vo
10:35-10:50	Biomaterials	B Chan
10:50-11:05	Tissue engineering discs	L Bonassar
11:05-11:20	Discussion	
11:20-11:50	Free Papers (x3, 10 min pres)	
11:50-12:00	Discussion	L Bonassar / B Chan
12:00-12:20	Free Papers (x2, 10 min pres)	
12:20-12:30	Discussion	
12:30-13:00	Awards Ceremony/Adjourn	T Lund / K Cheung / K Ito