Health at work and risk factors related to ergonomics; some results from the Swiss sample of the 4th European working conditions survey

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Introduction
The European Foundation for the improvement of living and working conditions conducts a survey every 5 years since 1990. The foundation also offers the possibility to non-EU countries to be included in the survey: in 2005, Switzerland took part for the first time in the fourth edition of this survey. The Institute for Work and Health (IST) has been associated to the Swiss project conducted under the leadership of the SECO and the Fachhochschule Nordwestschweiz. The survey covers different aspects of work like job characteristics and employment conditions, health and safety, work organization, learning and development opportunities, and the balance between working and non-working life (Parent-Thirion, Fernandez Macias, Hurley, & Vermeylen, 2007). More particularly, one question assesses the worker’s self-perception of the effects of work on health. We identified (for the Swiss sample) several factors affecting the risk to report health problems caused by work.

As detailed in (Graf et al., 2007), 31% of the Swiss respondents identify work as the cause of health problems they experience. Most frequently reported health problems include back pain (18%), stress (17%), muscle pain (13%), and overall fatigue (11%). Ergonomic aspects associated with higher risk of reporting health problems caused by work include frequent awkward postures (odds ratio [OR] 4.7, 95% confidence interval [CI] 3.1 to 5.4), tasks involving lifting heavy loads (OR 2.7, 95% CI 2.0 to 3.6) or lifting people (OR 2.2, 95% CI 1.4 to 3.5), standing or walking (OR 1.4, 95% CI 1.1 to 1.9), as well as repetitive movements (OR 1.7, 95% CI 1.3 to 2.3).

These results highlight the need to continue and intensify the prevention of work related health problems in occupations characterized by risk factors related to ergonomics.

References


Research Day
January 17, 2008
César Roux Auditorium

Regenerative Medicine

UNIL | Université de Lausanne
Faculté de biologie et de médecine
CHUV RESEARCH DAY 2008
Thursday, January 17th, 2008
“Regenerative Medicine”

08:30 Presentation of the 2008 Research Day
Professor Ivan Stamenkovic, Vice Dean for Research

08:45 Keynote speaker 1
Professor Philippe Menasché
Department of Cardio-Vascular Surgery
Hôpital Européen G. Pompidou, Paris
“Promises and pitfalls of skeletal myoblast therapy”

09:30 Coffee & Posters

10:30 6 short talks

12:00 Keynote speaker 2
Professor Giulio Cossu
Stem Cell Research Institute, Milano
“Towards a cell therapy for muscular dystrophy”

12:45 Lunch, Coffee & Posters

14:00 Keynote speaker 3
Professor Michele De Luca
Department of Biomedical Sciences, Modena
Epithelial Stem Cell Research Centre, Venice
“Epithelial stem cells and regenerative medicine”

14:45 6 short talks

16:15 Coffee & Posters

17:00 Keynote speaker 4
Professor Lior Gepstein
Dept of Physiology & Biophysics, Technion – Haifa, Israel
“Myocardial Regeneration by Human Embryonic Stem Cells”

17:45 Poster Prizes Ceremony

18:00 Apéritif & Buffet

ATTENDANCE IS FREE - NO REGISTRATION IS NECESSARY

NOTE: Posters will be displayed from Wednesday January 16th early morning to Friday January 18th early morning.
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<td>Morning</td>
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<tr>
<td>10h30 - 10h45</td>
<td>Boris Hinz Laboratoire de biophysique cellulaire - EPFL</td>
<td>“The myofibroblast - friend and foe in tissue regeneration”</td>
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<td>10h45 – 11h00</td>
<td>Matthias Lutolf Laboratoire de cellules souches et bioengineering - EPFL</td>
<td>“Bioengineering artificial stem cell niches”</td>
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<td>11h00 – 11h15</td>
<td>Corinne Kostic Unité de thérapie génique et biologie des cellules souches – Hôpital Ophtalmique</td>
<td>“Gene therapy preclinical studies for Leber congenital amaurosis”</td>
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<td>11h15 – 11h30</td>
<td>Anne Zurn Chirurgie expérimentale - CHUV</td>
<td>“Delayed peripheral nerve priming improves regeneration of sensory axons into the spinal cord following dorsal root injury.”</td>
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<tr>
<td>11h30 – 11h45</td>
<td>Meta Djojosubroto Unité de thérapie génique et biologie des cellules souches – Hôpital Ophtalmique</td>
<td>“Increased chromosomal aberrations and transformation of adult mouse retinal stem cells”</td>
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<td>11h45 – 12h00</td>
<td>Paola Bonfanti Chirurgie expérimentale - CHUV &amp; Laboratoire de dynamique des cellules souches - EPFL</td>
<td>“Thymic epithelial cells have skin potency”</td>
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<td>14h45 – 15h00</td>
<td>Dominique Pioletti Laboratoire de biomécanique en orthopédie - EPFL</td>
<td>“In Vivo evaluation of human fetal cells as allogenic cell source for tissue engineering”</td>
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<td>15h00 – 15h15</td>
<td>Mikaël Martino Laboratoire de médecine régénérative et de pharmacobiologie - EPFL</td>
<td>“Controlling mesenchymal stem cells response to biomaterials with recombinant integrin-specific fibronectin fragments”</td>
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<td>15h15 – 15h30</td>
<td>Dela Golshayan Nephrologie et Centre de Transplantation d’organes - CHUV</td>
<td>“Mechanisms of Allograft rejection and tolerance in transplantation”</td>
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<td>15h30 – 15h45</td>
<td>Jonathan Bloch Médecine Interne - CHUV</td>
<td>“Spleen derived vascular progenitor cell transfer restores metabolic and vascular insulin sensitivity in high-fat diet insulin resistant mice”</td>
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<td>15h45 – 16h00</td>
<td>Marc-Etienne Roehrich Cardiologie – CHUV</td>
<td>“Immunophenotypical analysis of putative cardiac progenitor cells isolated based on high ALDH activity from adult mouse and human hearts”</td>
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<td>16h00 – 16h15</td>
<td>Mohamed Nemir Dpt de Médecine - CHUV</td>
<td>“Control of cardiac integrity via the Notch1 receptor pathway”.</td>
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