



First NetwOArk-FR Autumn School Program

- 9:00-9:30** Coffee
- 9:30-9:35** **Welcome address** (Christian Boitard, Permanent Secretary of the National Academy of Medicine, ex-Director of IT PMN)
- 9:35-9:45** **NetwOArk at a glance** (F. Berenbaum, J. Guicheux, NetwOArk coordinators)

9:45-10:45	Session1	<i>F. Berenbaum & C. Vinatier</i>
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9:45-10:00 **Best Papers of the year**

Esther Potier, Paris: basic research on intervertebral disc

10:00-10:15 **Rapid fire presentation**

- 10:00 Benoît Domin, Caen.
Tissue Engineering of Cartilage by using Cell Sheets Technology
- 10:05 Alix Charton, Paris.
Metabolic syndrome is associated with more pain in hand osteoarthritis: results from the DIGICOD cohort
- 10:10 Camille Daste, Paris.
Efficacy and safety of intra-articular injection therapy of botulinum toxin for musculoskeletal pain: A Systematic Review and Meta-Analysis

10:15-10:45 **Oral presentation**

- 10:15 Marie-Astrid Boutet, Nantes.
A comparative analysis of late-stage rheumatoid arthritis and osteoarthritis reveals shared histopathological features.
- 10:30 Mathilde Pezot, Paris.
Patients are always right! Association between humidity level, atmospheric pressure and pain experience in hand osteoarthritis

10:45-11:15 **Coffee break**

11:15-12:30	Session 2	<i>C. NGuyen & Y.M. Pers</i>
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11:15-12:00 **Keynote**

Ida Haugen (Oslo, NW) "Pain in people with hand osteoarthritis"

12:00-12:30 **Oral presentation**

- 12:00 Christina Fissoun, Montpellier.
Expression analysis of the senescence-related biomarker GD3 in cartilage of Osteoarthritic (OA) patients and its immunological targeting in an induced OA murine model
- 12:15 Mathilde Ambrosino, Nantes
Microencapsulation of mesenchymal stem cells in covalent hydrogel for joint therapy



12:30-13:45 Lunch break

13:45-15:00	Session 3	<i>E. Potier & J. Sellam</i>
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13:45-14:30 Keynote

Rik Lories (Leuven, BE) "Defining the identity of the articular chondrocyte: a wild ride from thyroid hormone to lipids"

14:30- 14:45 Oral presentation

- 14:30 Sherine Moustaghfir, Lyon.
The inhibition of lsd-1 in articular cartilage modifies the expression of anabolic and catabolic genes in a surgical mouse model of osteoarthritis
- 14:45 Zohra Bouchemla, Paris.
SDHA inhibition is involved in Lin28a osteoarthritic chondrocyte reprogramming

15:00-15:30 Coffee break

15:30-17:00	Session 4	<i>J.D Malcor & A. Latourte</i>
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15:30-15:50 Rapid fire presentation

- 15:30 Alison Vanlaeys, Caen.
Impact of mild hypothermia on osteoarthritic joint cells
- 15:40 Asmaa EL Maarbani, Saint-Etienne.
Effects of a ketogenic diet on the progression of osteoarthritis in obese mice - articular, metabolic and epigenetic characterization
- 15:35 Karim Boumédiene, Caen.
Cartilage tissue engineering with decellularized plant as biomaterial
- 15:45 Damien Laouteouet, Montpellier.
Synovial landscape unravels immune-stromal networks linking inflammation to fibrosis in osteoarthritis

15:50-16:20 Oral presentation

- 15:50 Natalia Zapata-Linares, Paris.
Implication of bone marrow adipose tissue in bone homeostasis during osteoarthritis
- 16:05 Nicolas Gageard, Nantes.
Single-cell transcriptomic analyses of OA synovial macrophages reveal pathotype-specific profiles

16:20-16:35 Best Papers of the year

Yves-Marie Pers, Montpellier: Clinical and translational research in Osteoarthritis

16:35-17:00 Awards and closing ceremony