



# Hang-Korng Ea

Gender: Male | Email address: [hang-korng.ea@aphp.fr](mailto:hang-korng.ea@aphp.fr)

## ● EDUCATION AND TRAINING

2014  
**HABILITATION TO DIRECT RESEARCH**

2008  
**PHD**

2006  
**MEDICAL DOCTOR**

## ● WORK EXPERIENCE

**PROFESSOR OF CELLULAR BIOLOGY**

**ASSISTANT PROFESSOR OF RHEUMATOLOGY**

**HEAD OF INSERM U1132, BIOSCAR** – 01/2025 – Current

**CO-COORDINATOR OF GRADUATE SCHOOL MUSCULO-SKELETAL SCIENCES** – 2020 – Current

**CO-COORDINATOR OF INSTITUTE OF MUSCULOSKELETAL DISEASE** – 2021 – Current

**RESEARCH PRESIDENT OF DEPARTMENT OF DMU LOCOMOTION** – 2019 – Current

**PRESIDENT OF RESEARCH COMMITTEE – LARIBOISIÈRE HOSPITAL** – 2022 – Current – PARIS, FRANCE

**CO-COORDINATION MASTER 2 DIR, « DEVELOPMENT, INFLAMMATION, REGENERATION »** – 2018 – Current

**CO-COORDINATOR OF UE BCBGM (BASE CELLULAIRE BIOCHIMIE ET GÉNÉTIQUE MOLÉCULAIRE) DFGSM2 AND CO-COORDINATOR OF MASTER 2 DIR (DEVELOPMENT, INFLAMMATION, REGENERATION)**

## ● PROJECTS

### Awards and Grants

ANR PRCE ANR-21-CE19-0031-01, OASIS (2021-2025, coordinator): 698 k€ ANR 22-CE14-0020-02, CRYSTAL-in (2022-2025): 465 k€

ANR CAPYROSIS 2013-2017: 144 k€

PHRC-I (2021) AOR21030, coordinator 416 k€

PHRC-I (2018) AOR18039 Ana4CKD, coordinateur 399996 euros, CRC18069 GOUTTEmail 61 k€ euros, coordinateur

CRC17029 COMpARE 50 Ke, Coordinateur

Société française de rhumatologie 2023-25: 50 k€, 2021-23: 50 Ke; 2018-2019 : 50 Ke, 2017 : 25 Ke,

Fondation Arthritis Courtin 2018 25 000 euros

Novartis DREAMER 2024-25 et 22-23 : 20 k€

## ● NETWORKS AND MEMBERSHIPS

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**G-CAN 2025 Rising Leader Award**

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**Prix Jansen 2024 de l'Académie Nationale de Médecine**

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## ● PHD SUPERVISION

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**PhD Supervision of 10 students**

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6 had obtained their diploma (Christèle Nguyen (PU-PH, Cochin Hospital), Narjes Hafsia, Felix Renaudin (Post-doc, hôpital de Genève), Alan Gauffenic (PH temps partiel, hôpital Lariboisière), Twinu Chirayath (post-doc at St Jude Hospital, Memphis), Nghia Pham (médecin, hôpital universitaire de Haiphong, Vietnam)) and 4 are ongoing.

## ● HONOURS AND AWARDS

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**152 original articles with 34 Rank A, 60 as first, second-to-last or last author**

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## ● PUBLICATIONS

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**Spermidine reproduces the anti-inflammatory effects of intermittent fasting and prevents urate and calcium pyrophosphate crystal-induced inflammation.**

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Pham CN, Castelli F, Finet F, Leroy C, Chollet C, Chirayath TW, Moitra S, Zarka M, Ostertag A, Brial F, Combes C, Latourte A, Bardin T, Fenaille F, Richette P, Ea HK.  
Arthritis Rheumatol. 2025 Aug 29. doi: 10.1002/art.43367

**Activation of osmo-sensitive LRRC8 anion channels in macrophages is important for micro-crystallin joint inflammation.**

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Chirayath TW, Ollivier M, Kayatekin M, Rubera I, Pham CN, Friard J, Linck N, Hirbec H, Combes C, Zarka M, Lioté F, Richette P, Rassendren F, Compan V, Duranton C, Ea HK.  
Nat Commun. 2024 Sep 18;15(1):8179. doi: 10.1038/s41467-024-52543-8

**Systemic inflammatory cytokine profiles in patients with gout during flare, intercritical and treat-to-target phases: TNFSF14 as new biomarker.**

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Ea HK, et al.  
Ann Rheum Dis. 2024 Feb 19;ard-2023-225305. doi: 10.1136/ard-2023-225305.

**Calcium pyrophosphate crystal deposition in a cohort of 57 patients with Gitelman syndrome.**

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Chotard E, Blanchard A, Ostertag A, Latourte A, Gailly G, Frochot V, Lioté F, Bousson V, Richette P, Bardin T, Vargas-Poussou R, Ea HK.  
Rheumatology (Oxford). 2022 May 30;61(6):2494-2503. doi: 10.1093/rheumatology/keab578

**Gout and pseudo gout-related crystals promote GLUT1-mediated glycolysis that governs NLRP3 and interleukin-1 $\beta$  activation on macrophages.**

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Renaudin F, Orliaguet L, Castelli F, Fenaille F, Prignon A, Alzaid F, Combe C, Delvaux A, Adimy Y, Cohen-Solal M, Richette P, Bardin T, Riveline JP, Venteclef N, Lioté F, Campillo-Gimenez L, Ea HK.  
Ann Rheum Dis, 2020.