

Symposium de l'Institut de la Main et de l'Épaule

PARIS

SEPTEMBER

26-27

2025

40
ÈME
ANNIVERSAIRE

**40 YEARS BACK,
40 YEARS AHEAD:**
Future Technologies
in Upper Limb Surgery

President of honor:
Alain Gilbert

Scientific committee:
Caroline Leclercq
Frédéric Teboul
Philippe Valenti

Organization Committee:
Lorenzo Merlini
Nadine Sturbois-Nachef
Omar Boughebi
Jean-Gabriel Delvaque



symposium-institutdelamain.com

GENERAL ORGANIZATION

QUINZE MAI

CONCEPTEURS D'ÉVÉNEMENTS






Systeme Mini TightRope®

Solution mini-invasive pour le traitement de la rhizarthrose

- Stabilité et force de la fixation métacarpienne*
- Durée d'immobilisation réduite*
- Pose facile et technique reproductible
 - Kit à usage unique (implant 1.1 mm et instrumentation)
 - Guide de visée



* Yao J. and Y Song , « Suture-Button Suspensionplasty for Thumb Carpometacarpal Arthritis: A Minimum 2-Year Follow-Up. », J. Hand Surg Am, 2013.

© Arthrex France, 2024. Tous droits réservés. AD6-00044-fr-FR_A
info@arthrex.fr | www.arthrex.fr | Arthrex France     

Arthrex® 

Les produits de cette gamme sont des dispositifs médicaux, consultez les notices de chaque dispositif pour plus d'informations.
AR-8919DS : Fabricant Arthrex Inc., DMI-IIB, DFU-0147, CE2797, organisme habilité BSI Netherlands, non remboursé.



WELCOME MESSAGES

On the occasion of the 40th anniversary of the Institut de la Main, it is our great pleasure to invite you to celebrate this event with us in Paris, on September 26-27, 2025.

Looking back to the last 40 years, and onwards to the 40 years to come, the theme of the Symposium will be Future Technologies in Hand and Upper Limb Surgery. Our world is changing fast, and so is our surgical practice. Come and discover all the future developments of Hand and Upper Limb Surgery: robotics, augmented and virtual reality, assisted surgery, tissue replacement, artificial intelligence, machine learning, bio-materials, virtual teaching ...

Mark your calendars, and let us know if you want to contribute to the scientific program. More to come soon !

Alain Gilbert
Caroline Leclercq
Philippe Valenti

*Past, present, and future Presidents
of the Institut de la Main et de l'Épaule*



Symposium
de l'Institut de la Main
et de l'Épaule

symposium-institutdelamain.com

**PRESIDENT
OF HONOR:**

Alain Gilbert

**SCIENTIFIC
COMMITTEE:**

Caroline Leclercq
Frédéric Teboul
Philippe Valenti

**ORGANIZATION
COMMITTEE:**

Lorenzo Merlini
Nadine Sturbois-Nachef
Omar Boughebri
Jean-Gabriel Delvaque

INSTITUT DE LA MAIN:

Caroline Leclercq
Philippe Valenti
Mathilde Gras
Lorenzo Merlini
Ahlam Arnaout
Alain Iserin
Choukry Dib
Stéphane Guero
Omar Boughebri
Nadine Sturbois-Nachef
Jean-Noël Goubier
Frédéric Teboul
Raoul Tubiana †
Alain Gilbert
Christophe Mathoulin

Une gamme complète de
plaques anatomiques de radius distal

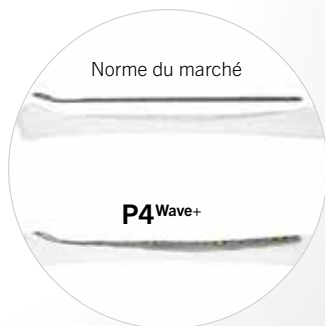
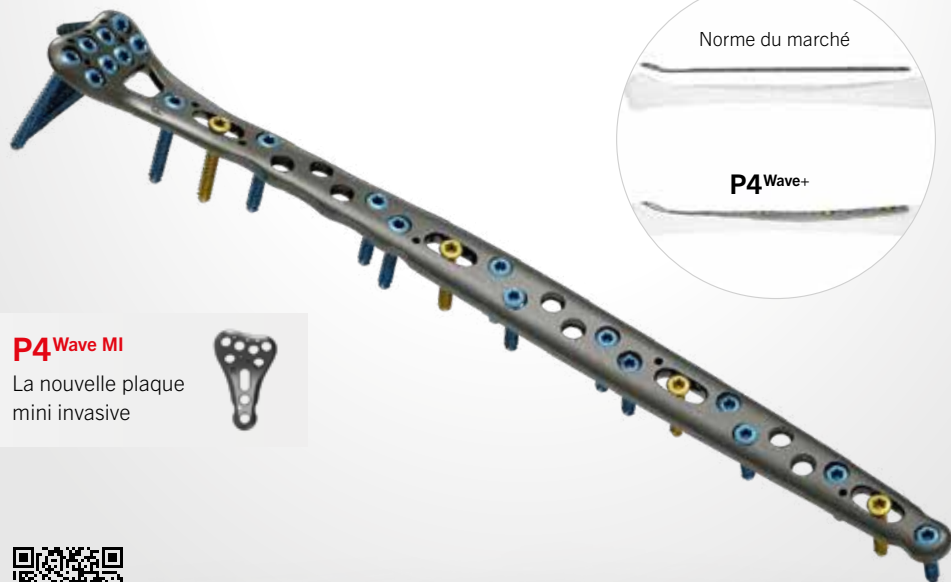
P6

P6 La nouvelle génération
de plaques de radius distal
en 3 dimensions



P4Wave+

P4 wave : Conçu pour aller plus loin :
plaques dessinées en 3D jusqu'à la diaphyse



P4Wave MI

La nouvelle plaque
mini invasive



<https://www.klsmartin.com/en/products/implants-hand/plates-and-screws/ixos/>

**FACULTY
LIST**

- ARNAOUT Ahlam, France
 ASZMANN Oskar - Austria
 ATLAN Mickael - France
 BAHM Jörg - Germany
 BARRERA Miguel - Spain
 BEGUÉ Thierry, France
 BOUGHEBRI Omar, France
 BRAGA-SILVA Jefferson - Brazil
 CHEIKH Mohamed - France
 DAVID Romain - France
 DELVAQUE Jean-Gabriel, France
 DESCAMPS Jules - France
 DE SOUSA SANTOS Nathalie - France
 DUMONTIER Christian - France
 FITOUSSI Frank - France
 FLURIN Pierre-Henri - France
 GALLEGO Sabrina, Colombia
 GARCIA Carlos-José - Brazil
 GATIN Laure, France
 GAUCI Marc-Olivier - France
 GERBER Christian - Switzerland
 GHANEM Diane - USA
 GIELE Henk, United-Kingdom
 GILBERT Alain - France
- GOUBIER Jean-Noël - France
 GRAS Mathilde, France
 GUERO Stéphane - France
 HAERLE Max - Germany
 HU Jingwen - Ireland
 JEHANNO Pascal - France
 LECLERCQ Caroline - France
 LIVERNEAUX Philippe - France
 MARES Olivier - France
 MASQUELET Alain-Charles - France
 MERLE Michel - Luxembourg
 MERLINI Lorenzo, France
 OBERG Kerby - USA
 ONCIU Crina - Romania
 REIN Susanne - Germany
 ROS Maxime - France
 ROSS Duncan - USA
 SCHWAB Martin - Switzerland
 SEYROL Charles - France
 SIMMS Ciaran - Ireland
 SOBRERO Diego - France
 STURBOIS-NACHEF Nadine - France
 TEBOUL Frédéric - France
 TOSI Daniele - Italy
 VALENTI Philippe - France
 VALBUENA Sebastian, Argentina
 VANDENDRIES Christophe - France
 VIEL Eric - France
 WERTHEL Jean-David - France

September, Friday
26th

7:15 **Registration**

7:50-8:00 **Welcome / C. LECLERCQ, PH. VALENTI**

8:00-9:00 **Moderators: C. LECLERCQ, PH. VALENTI**

- History of the Institut de la Main / **A. GILBERT, R. LISFRANC**
- VR virtual reality/ AR augmented reality / MR mixed reality / **M. ROS**
- What will we be missing in 40 years? / **C. GERBER**
- Discussion

9:00-10:40 **REPLACING THE SURGEON'S HAND**

Moderators: C.J. GARCIA, C. DUMONTIER

Navigation robots

- History of Navigation in shoulder surgery / **P.H. FLURIN**
- Navigation robots / **J.D. WERTHEL**

Surgical robots in upper limb surgery

- Around the shoulder
 - Surgical robotic tendon transfers around the shoulder / **C.J. GARCIA**
- Around the hand
 - Robotic hand surgery: current insights and future directions / **P. LIVERNEAUX**
 - Discussion
- In microsurgery
 - Is there room for robotics in microsurgery (literature review) / **J. BRAGA-SILVA**
 - Automatic micro-sutures: a step forward / **J.N. GOUBIER**
 - Robots in hand and lymphatic microsurgery / **M. ATLAN**
 - Discussion

10:40-11:10 **Coffee Break and Exhibition Visit**

11:10-12:10 **REPLACING THE SURGEON'S EYE (1)**

Moderators: F. FITOUSSI, L. MERLINI

Bone and muscle imaging:

- CT based volumetric assessment of rotator cuff muscles / **J.D. WERTHEL**
- Cutting guides: 3D Osteotomy planning / **PH. VALENTI**
- Clinical cases / **P. JEHANNO** supra-condylar / **C. LECLERCQ** distal radius

Joint and ligaments imaging:

- The future of wrist arthroscopy / **M. HAERLE**
- Discussion

12:10-12:25 **Former fellows'session: my most memorable moment at the Institut de la Main**

12:30-14:00 **Lunch break and Exhibition visit**

12:30-12:55 **Industry workshop**

KLS Martin

Distal radius malunion : the IPS 3D printing system

KLS martin
GROUP

September, Friday
26th

14:00-16:00

REPLACING HUMAN TISSUES

Moderators: **J. BRAGA-SILVA, F. TEBOUL**

Tissue regeneration:

- Historics of stem cells / **C. ONCIU**

Nerves:

- Historics: Repairing Nerve defects: past and perspectives / **A. GILBERT**
- Enhancing Nerve Regeneration: attempts and disappointments / **M. MERLE**
- Enhancing fiber regeneration in the injured spinal cord: From the bench to the first successful clinical trial / **M. SCHWAB**
- Discussion

Skin:

- Advances in artificial skin: clinical application to Epidermolysis Bullosa / **S. GUERO**
- Fingertip regeneration in Vertebrates: what is possible in humans? / **K. OBERG**
- 3D printing human tissues / **TBC**
- Discussion

Joint:

- Gleno-humeral osteoarthritis: can understanding etiology lead to preventive treatment? / **C. GERBER**

Allogenic exosomes

- Past, perspectives and future / **D. ROSS**
- Discussion

16:00

Fellows'session Prize Winner

16:05

Group Photo

16:10-16:40

Coffee Break and Exhibition Visit

16:40-17:10

Moderators: **O. ASZMANN, N. STURBOIS-NACHEF**

Hand transplants:

- State of the art / **C. DUMONTIER**
- The challenges of macrografts / **P. JEHANNO**
- Discussion

17:10-18:15

REPLACING THE TEACHERS

Moderators: **T. BÉGUÉ, A. ARNAOUT**

- 3D hand models / **D. TOSI**
- Virtual library / **M. ROS**
- New bibliographic tools / **J. DESCAMPS**
- How will we replace animal models? / **F. FITOUSSI**
- Discussion

20:30

GALA DINNER

Pre registration required

September, Saturday
27th

8:30-9:45

REPLACING THE SURGEON'S EYE (2)

Moderators: S. VALBUENA, M. GRAS

Clinical assessment

- Single camera method for quantifying upper limb movement
 - Overview of the technical tool / C. SIMMS
 - Application to the Upper Limb / J. HU

Connected loupes

- State of the art / M.O. GAUCI

Peripheral nerves imaging

- Advances in peripheral nerve imaging, current indications and protocols / C. VANDENDRIES
- AVATAR software to plan nerve microsurgery, and future indications / F. TEBOUL, N. STURBOIS-NACHEF
- Sensory nerves: analyzing sensory nerve endings / S. REIN
- Discussion
- Round table: Brachial plexus imaging: Why are we still unable to detect if a root is functional or not? / Moderator: J.N. GOUBIER
A. GILBERT, J. BAHM, J.N. GOUBIER, C. SEYROL, C. VANDENDRIES

9:45-10:15

Moderators: M. HAERLE, J.G. DELVAQUE

The future of echo-surgery / O. MARES

The « digital twin » / M.O. GAUCI

10:15-11:05

REPLACING HUMAN INTELLIGENCE

Moderators: J.D. WERTHEL, J. DESCAMPS

Lecture: Integrating AI in orthopedic care and surgery / D. GHANEM

- The smart OR / M.O. GAUCI
- ChatGPT earns American board certification in hand surgery / D. GHANEM
- Discussion

11:05-11:30

Coffee Break and Exhibition Visit

11:30-12:10

INNOVATIVE TREATMENTS OF PAIN

Moderators: M. MERLE, L. GATIN

- Neuro-modulation techniques for Upper Limb pain: present achievements, future perspectives / M. BARRERA
- Botulinum Toxin and pain: a promising perspective ? / E. VIEL
- Cryoneurolysis and pain / R. DAVID
- Discussion

12:10-12:30

Moderator: C. LECLERCQ

Conference / A.C. MASQUELET: 40 years against 400 years...

12:30-13:30

NEW CONCEPTS IN HUMANITARIAN SURGERY

Moderators: S. GALLEGO, S. GUERO

- Sustainable anesthesia and Green Hospital / N. DE SOUSA SANTOS
- Distant teaching platforms / Ph. VALENTI
- IA and humanitarian surgery / D. SOBRERO
- Discussion

THE BIONIC MAN ...

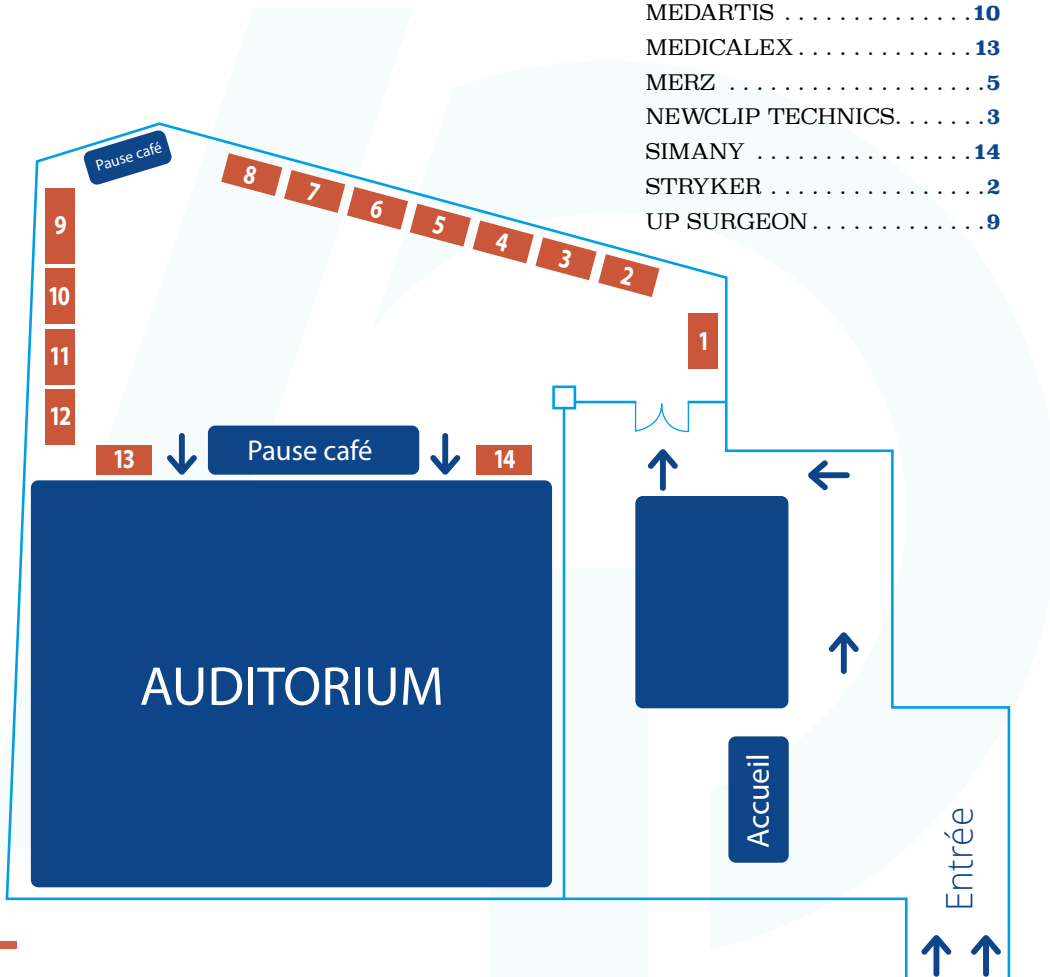
Moderators: H. GIELE, O. BOUGHEBRI

- Targeted muscle reinnervation for prosthetic control / O. ASZMANN
- Bionic limb prosthesis / O. ASZMANN
- Discussion

13:30-13:45

Meeting closure / PH. VALENTI, C. LECLERCQ

PLAN D'EXPOSITION EXHIBITION AREA



STAND

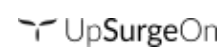
ABBOTT.....	4
ARTHREX.....	6
FH ORTHO.....	8
IPSEN.....	11
KERYOS.....	12
KIMEBO.....	7
KLS.....	1
MEDARTIS.....	10
MEDICALEX.....	13
MERZ.....	5
NEWCLIP TECHNICS.....	3
SIMANY.....	14
STRYKER.....	2
UP SURGEON.....	9

SPONSORS

GOLD SPONSORS



SPONSORS



GALA DINNER

September, Friday
26th

Musée des Arts Forains

53 avenue des Terroirs de France,
75012 Paris
starting from 8:00 PM



*In this magical and timeless venue,
join us for a convivial moment
centered around the passion
that unites us.*

Pre registration required

Advancing Microsurgery with Robotics

Symposium de l'Institut de la Main et de l'Épaule

FFF

Fédération Française de Football
87 Boulevard de Grenelle,
75015 Paris, France



PARIS
SEPTEMBER
26-27
2025



symposium-institutdelamain.com

GENERAL ORGANIZATION

QUINZE MAI
CONCEPTEURS D'ÉVÉNEMENTS