

2023 PAS SCIENTIFIC SESSION & ANNUAL MEETING



December 1-2, 2023
Palais de la Bourse
Bordeaux, France



Register Now!



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Personalized Arthroplasty Society 2023 Board of Directors and Committee Chairs

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JOIN US IN BORDEAUX!

I am delighted to be chairing our second **Personalized Arthroplasty Society (PAS)** meeting in December 2023. PAS was created 3 years ago, with the aim of clarifying and accelerating the adoption of a more physiological way to implant hip and knee prostheses. Initially our focus was purely on surgical techniques and implant design, however this has now evolved to include the both pre- and post-operative phases of care as we recognise their importance in the personalized arthroplasty environment.

Physiological joint replacement is a new way to think of arthroplasty, enabled by a better environment (e.g. implant material and design) and understanding of joint biomechanics, validated by the evidence. It probably represents one of the main advancements in arthroplasty, with the potential to have a real, positive impact on our patients by making prostheses' outcomes even more reliable. Like every new idea in the world of conservative medicine, it is likely to take a tremendous amount of time for physiological arthroplasty to become the standard of care.

PAS is still a small society, but with high ambitions. We have been working hard over the last 3 years to grow PAS, with part of this work being the organization of an **annual conference**. This year our conference will be held on **Friday 1st and Saturday 2nd December 2023** in the city of Bordeaux. This meeting will be a gathering of most of the international experts in a beautiful venue (Palais de la Bourse) located in the heart of **Bordeaux**, the most extensive urban environment in the world to be recognized as a UNESCO World Heritage Site!

If you believe in PAS' vision and would like to know more about modern physiological arthroplasty, then **JOIN US IN BORDEAUX!**

Charles Riviere





Scientific Program

Friday 1st December – Hip Day

- 10:30 Registration & welcome reception brunch
- 12:40 President's Opening Remarks – Personalized Arthroplasty Society: Vision and Mission Statement
Prof. Stefano Bini, USA
- 12:55 **Keynote Lecture and Moderated Q&A:** Personalised hip replacement is key to achieve optimal outcomes - Story of my career
Sarah Muirhead-Allwood, UK

Session 1 - Personalized Hip Arthroplasty N°1: Implant Alignment

*Moderators: Prof. Eleftherios Tsiridis, Greece
Georges Grammatopoulos, Canada*

- 13:05 Personalized THR: How, when, why?
Sivan Sivaloganathan, UK
- 13:15 Individual safe zone for cup positioning: Importance of the dynamic acetabular orientation
Prof. Eleftherios Tsiridis, Greece
- 13:25 Question and Answer Session
- 13:35 Spine Vs Hip Users: Influence on clinical outcomes?
Georges Grammatopoulos, Canada
- 13:45 Dynamic acetabular and femoral orientation: New parameters for THR planning?
Prof. Jean-Yves Lazennec, France
- 13:55 Question and Answer Session
- 14:05 Classification of alignment techniques for hip replacement - defining the standards!
Gabriel Roby Bouchard, Canada
- Alignment techniques:**
- 14:12 Technology-driven Functional Alignment technique is the way to go!
Stefan Kreuzer, USA
- 14:19 The Kinematic Alignment Technique (uKA/rKA): The physiological approach!
Charles Riviere, France



- 14:26 Optimized Positioning System (OPS) -THR
Jim Pierrepont (Corin engineer), UK
- 14:33 Question and Answer Session
- 14:43 Session summary; where should further research efforts be focussed?
Moderators
- 14:48 **Coffee Break**

Session 2 - Personalized Hip Arthroplasty N°2: Implant Design & Technological Assistance

*Moderators: Prof. Justin Cobb, UK
Stefan Kreuzer, USA*

- 15:18 Selecting the right implants for the right patient: 'À la carte' hip replacement
Andrea Baldini, Italia
- 15:28 Restoring the proximal femur architecture: Why and when?
Prof. Nicolas Reina, France
- 15:38 Question and Answer Session
- Implant options for restoring the proximal femur anatomy:**
- 15:48 Short femoral stems - Epiphysal (neck) or metaphysal fixation: What is best?
Gianluca Cusma, Kingdom of Bahrain
- 15:58 The custom package: 3D planning for producing custom stem and PSI: Why and when?
Reliability?
Prof. Elhady Sorialy, France
- 16:08 Question and Answer Session
- Cross-fire: Hip replacement options for young active patients:**
- 16:18 Cementless Large Diameter Ceramic Head Kinematically Aligned -THR (LDH COC KA -THR)
Prof. Pascal-André Vendittoli, Canada
- 16:28 The physiological solution: Kinematically Aligned Hip resurfacing (KA-HR) - restoring the native combined anteversion is safe
Alex Liddle, UK
- 16:38 Question and Answer Session



- 16:48 Cementless, COC, and psoas-friendly hip resurfacing: Is this a potential game changer?
Prof. Justin Cobb, UK
- 16:58 Role of 3D planning accounting for spine-hip relationship
Daniele Ascani (Medacta engineer), Switzerland
- 17:08 Question and Answer Session
- 17:18 Session summary; where should further research efforts be focussed?
Moderators
- 17:23 **Keynote Lecture:** Personalising peri-operative care - How and why?
Prof. Pascal-André Vendittoli, Canada
- 17:33 **Keynote Lecture:** Generative AI & Personalized Arthroplasty
Prof. Stefano Bini, USA
- 17:43 Question and Answer Session
- 18:00 **Drinks reception at the exhibit area**
- 20:00 **Cocktail and Gala Dinner**



Saturday 2nd December – Knee Day

Session 3 - Personalized TKA N°1: Phenotypes, Evidence, Third compartment

*Moderators: Prof. Pascal-André Vendittoli, Canada
Prof. Michael Hirshmann, Switzerland*

08:30 Every knee is unique: Anatomy, laxity and biomechanics - FKP/CPAK classifications
Prof. Michael Hirshmann, Switzerland

08:40 Personalized TKA: How, when, why? - defining the standards!
Scientific Committee

08:50 Question and Answer Session

Literature review - Clinical evidence:

09:00 Is KATKA a reliable option: Longevity, prosthetic joint perception and function, complication rates
Dragan Jeremic, Germany

09:10 KA vs MA: Which is the most biomechanically-friendly technique? (FTJ & FPJ)
Prof. Henning Windhagen, Germany

09:20 Question and Answer Session

09:30 Is there a knee phenotype(s) associated with poorer clinical outcomes? Which constitutional knee frontal anatomy and laxity can I safely reproduce?
Yaron Barziv, Israel

09:40 Liner choice (MP, CR, PS, UC, etc.): Is there a superior option?
Tilman Calliess, Switzerland

09:50 Accuracy for performing uKA-TKA: Is intra-op technological assistance (CAS, Robotics, Sensors, etc.) of benefit?
Alexander Nedopil, USA

10:00 Question and Answer Session

Cross-fire 1: Optimizing patella tracking and extensor mechanism efficacy

10:10 Robotic-assisted FA technique accounting for the third (PFJ) compartment
Prof. Sebastien Lustig, France

10:20 The custom solution (TKA+ alignment + instrument)
Michel Bonnin, France



- 10:30 Callipered KA technique with a generic TKA specifically designed for KA positioning (a forgiving prosthetic trochlea)
Charles Riviere, France
- 10:40 Question and Answer Session
- 10:50 Summary of the session; where should further research efforts be focussed?
Moderators
- 10:55 **Coffee Break**

Session 4 - Personalized TKA n°2: Attenuating extreme knee anatomy/laxity; Complex cases

*Moderators: Prof. Henning Windhagen, Germany
Hermes Miozzari, Switzerland*

rKA / riKA (or FA KA start) and FA MA start techniques

- 11:25 Attenuating extreme constitutional knee deformity (rKA-TKA): why and how?
Prof. Heiko Graichen, Germany
- 11:32 Controlling the lateral compartment's laxity (riKA or FA KA start): why and how?
Philip Winnock de Grave, Belgium
- 11:39 Question and Answer Session
- 11:46 FA with MA start (FA MA start): Any Future?
Antonio Klasan, Austria
- 11:53 Influence of the alignment technique (MA, KA, FA) on soft-tissue balance
Mark Clatworthy, New Zealand
- 12:00 Question and Answer Session

Complex KA-TKA cases

- 12:07 PAS Classification for complex physiological (or KA) TKA - defining the standards!
Will Jackson, UK
- 12:14 Substantial bone loss
Prof. Roland Becker, Germany
- 12:21 Question and Answer Session
- 12:28 Severe posterior tibial slope
Yaron Barziv, Israel



- 12:35 Additional osteotomy
Michele Malavolta, Italia
- 12:42 Question and Answer Session
- 12:49 Extreme axial anatomy/kinematics: poor patella tracking with history of atraumatic patella instability
Prof. Patrick Sadoghi, Austria
- 12:56 Severe flexion contracture
Cecile Batailler, France
- 13:03 Question and Answer Session
- 13:10 **Interview of Dr S. Howell** who has performed over 6300 uKA-TKAs in all patients, without exception, since 2006! What I have learned, my tips and tricks, my advice on managing outlier (anatomy, laxity, bone quality) patients
Stephen Howell, USA
- 13:20 Session summary; where should further research efforts be focussed?
Moderators
- 13:25 **Luncheon** - Highlights: Digital Orthopaedics Conference San Francisco (DOCSF) 2023. The Digital Transformation of Outpatient Surgery
Prof. Fabrizio Billi, USA

Session 5 - Keynote Lectures

*Moderators: Nanne Kort, Netherland
Prof. Andrew Price, UK*

- 14:25 **Keynote Lecture:** Bi-cruciate personalized TKA: why, when and how?
Marco Schiraldi, Italia
- 14:32 **Keynote Lecture:** Personalized rehabilitation for knee replacement
Andrew Wickline, USA
- 14:39 Question and Answer Session
- 14:46 **Keynote Lecture:** Is personalised arthroplasty compatible with OR efficiency?
Jeremy Statton & Charles DeCook, USA
- 14:56 **Platinum Sponsor Keynote lecture:** Restoring the pre-arthritic status: the importance of joint line restoration and implant design
Prof Johan Bellemans (Medacta), Belgium
- 15:16 Question and Answer Session



15:23 **Gold Sponsor Keynote lecture**

Symbios

15:28 **Gold Sponsor Keynote lecture**

Depuy Synthes

15:33 Question and Answer Session

Session 6 - Personalized PKR (MN)

Moderators: Prof. Justin Cobb, UK

Will Jackson, UK

Unicondylar Knee Arthroplasty (UKA):

15:40 Personalized UKA: How and why?

Matteo Marullo, Italia

15:47 KA-medial UKA: Why I have switched to it? Are there alignment boundaries (rKA/FA techniques for medial UKA)?

Takafumi Hiranaka, Japan

15:54 Question and Answer Session

16:01 Selecting the right implants (design and fixation method) for the right patient: 'À la carte' UKA

Stefano Campi, Italia

16:08 UKA and extreme constitutional limb deformity

Gareth Jones, UK

16:15 Question and Answer Session

Patello-Femoral replacement (PFR):

16:22 Personalized PFR: How and why?

David Dejour, France

16:29 Custom PFR: Why not? From planning to implantation

Gavin Pereira, USA

16:36 Question and Answer Session

Cross-fire: Knee replacement for young (<50yrs), active patients

16:43 Partial knee replacement (combined or not)

Prof. Justin Cobb, UK

16:50 Kinematically Aligned (KA) Cruciate Retaining (CR)-TKA

Alexander Nedopil, USA



16:57 Question and Answer Session

17:04 Session summary; where should further research efforts be focussed?
Moderators

17:10 **Coffee Break**

Session 7 - Personalized Knee Arthroplasty - Free papers

*Moderators: Prof. Patrick Sadoghi, Austria
Hannes Jonker, RSA*

17:25 – 18:25

Closing remarks




18:25 Closing Remarks – 2023 Meeting Chair & 2024 President
Charles Riviere, France

18:30 Closing Remarks – President
Prof. Stefano Bini, USA





















18:35 Closing Remarks – 1st Vice President
Prof. Michael Hirshmann, Switzerland



Faculty details

- Alex Liddle, MD, PhD  United Kingdom
- Alexander Nedopil, MD, PhD  USA
- Andrea Baldini, MD, PhD  Italia
- Prof. Andrew Price  United Kingdom
- Andrew Wickline, MD  USA
- Antonio Klasan, MD, PhD  Austria
- Cecile Batailler, MD, PhD  France
- Charles DeCook, MD  USA
- Charles Riviere, MD, PhD - Meeting chair  France
- Daniele Ascani, PhD (Medacta)  Switzerland
- David Dejour, MD, PhD  France
- Dragan Jeremic, MD  Germany
- Prof. Eleftherios Tsiridis  Greece
- Prof. Elhady Sarialy  France
- Gabriel Roby Bouchard, MD  Canada
- Gareth Jones, MD, PhD  United Kingdom
- Gavin Pereira, MD  USA
- Georges Grammatopoulos, MD, PhD  Canada
- Gianluca Cusma, MD  Kingdom of Bahrain
- Hannes Jonker, MD  Republic of South Africa



- Prof. Heiko Graichen  Germany
- Prof. Henning Windhagen  Germany
- Hermes Miozzari MD  Switzerland
- Prof. Jean-Yves Lazennec  France
- Jeremy Statton, MD  USA
- Jim Pierrepont, PhD (Corin)  United Kingdom
- Prof. Johan Bellemans (Medacta)  Belgium
- Prof. Justin Cobb  United Kingdom
- Marco Schiraldi, MD  Italia
- Mark Clatworthy, MD, PhD  New Zeland
- Matteo Marullo, MD  Italia
- Prof. Michael Hirshmann  Switzerland
- Michel Bonnin, MD, PhD  France
- Michele Malavolta, MD  Italia
- Nanne Kort, MD, PhD  Netherlands
- Prof. Nicolas Reina  France
- Prof. Pascal-André Vendittoli  Canada
- Prof. Patrick Sadoghi  Austria
- Philip Winnock de Grave, MD  Belgium
- Prof. Roland Becker  Germany
- Sarah Muirhead-Allwood, MD  United Kingdom
- Prof. Sebastien Lustig  France












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Palais de le Bourse

Bordeaux, France

- Sivan Sivaloganathan, MD  United Kingdom
- Stefan Kreuzer, MD  USA
- Prof. Stefano Bini - President  USA
- Stefano Campi, MD  Italia
- Stephen Howell, MD  USA
- Takafumi Hiranaka, MD  Japan
- Tilman Calliess, MD, PhD  Switzerland
- Will Jackson, MD  United Kingdom
- Yaron Barziv, MD  Israel



Accessibility

Palais de la Bourse

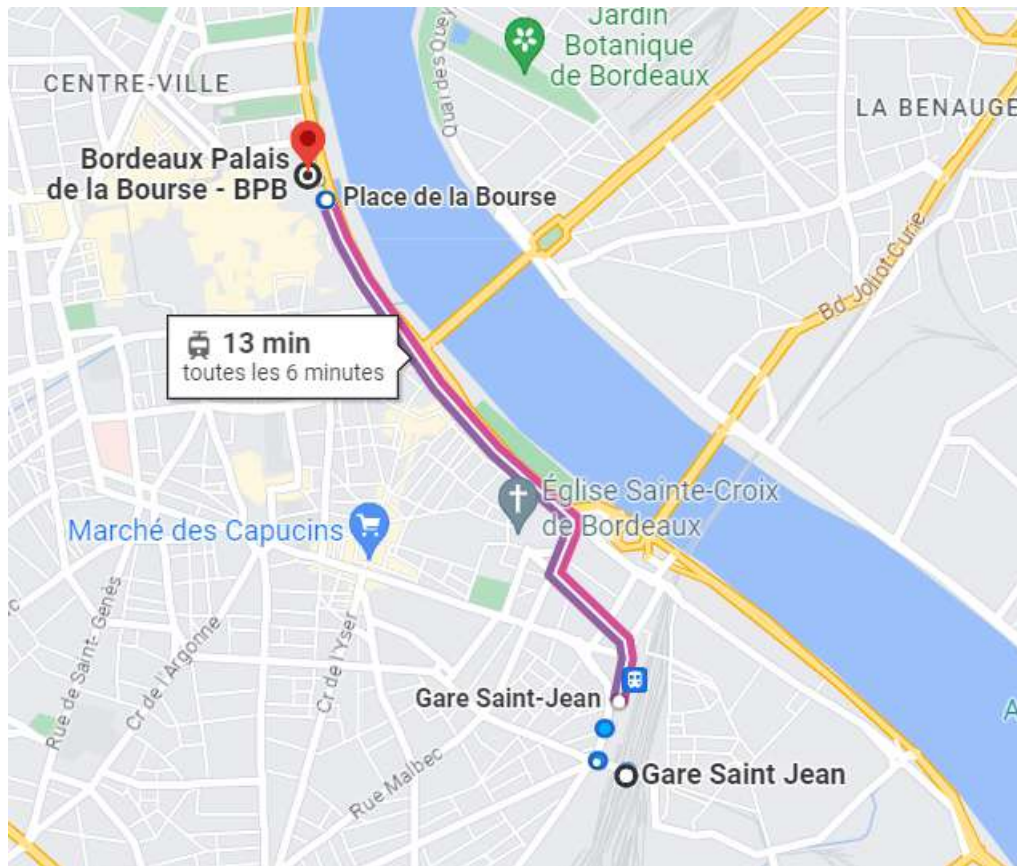
The PAS 2023 Scientific Session & Annual meeting is being held in the Palais de la Bourse, located in the heart of Bordeaux and easily accessible with all types of transport.



Palais de la Bourse
17, place de la Bourse,
33076 Bordeaux
www.bordeauxpalaisbourse.com

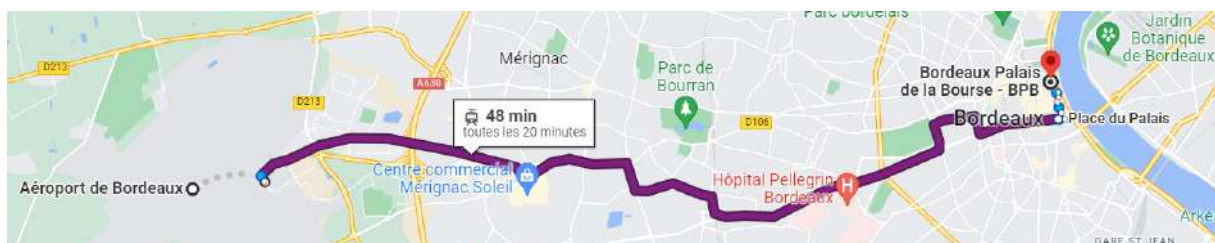


If you come by train, the tramway allows direct access from Saint Jean railway station in 15 minutes ([Line C](#), direction Blanquefort / Parc des Expositions Stade “Matmut Atlantique”, stop “Place de la Bourse”).



By air: tramway [Line A](#) (direction Floirac Dravemont / La Gardette Bassens Carbon Blanc, stop “Place du Palais”) brings you from Mérignac airport to city centre in 50 minutes.

You can also book a taxi for a 15 km journey: 0033 556 960 034 (€40 for a reservation before 7pm, €55 for the night rate)



By car: A10 (Bordeaux-Paris), A62 (Bordeaux-Toulouse), A63 (Bordeaux-Bayonne), or A89 (Bordeaux-Clermont-Lyon). Parking under the Palais de la Bourse: 1 620 car parks.



Bourse Area: Conferences and exhibits



Tourny Area: Cocktail and Gala dinner



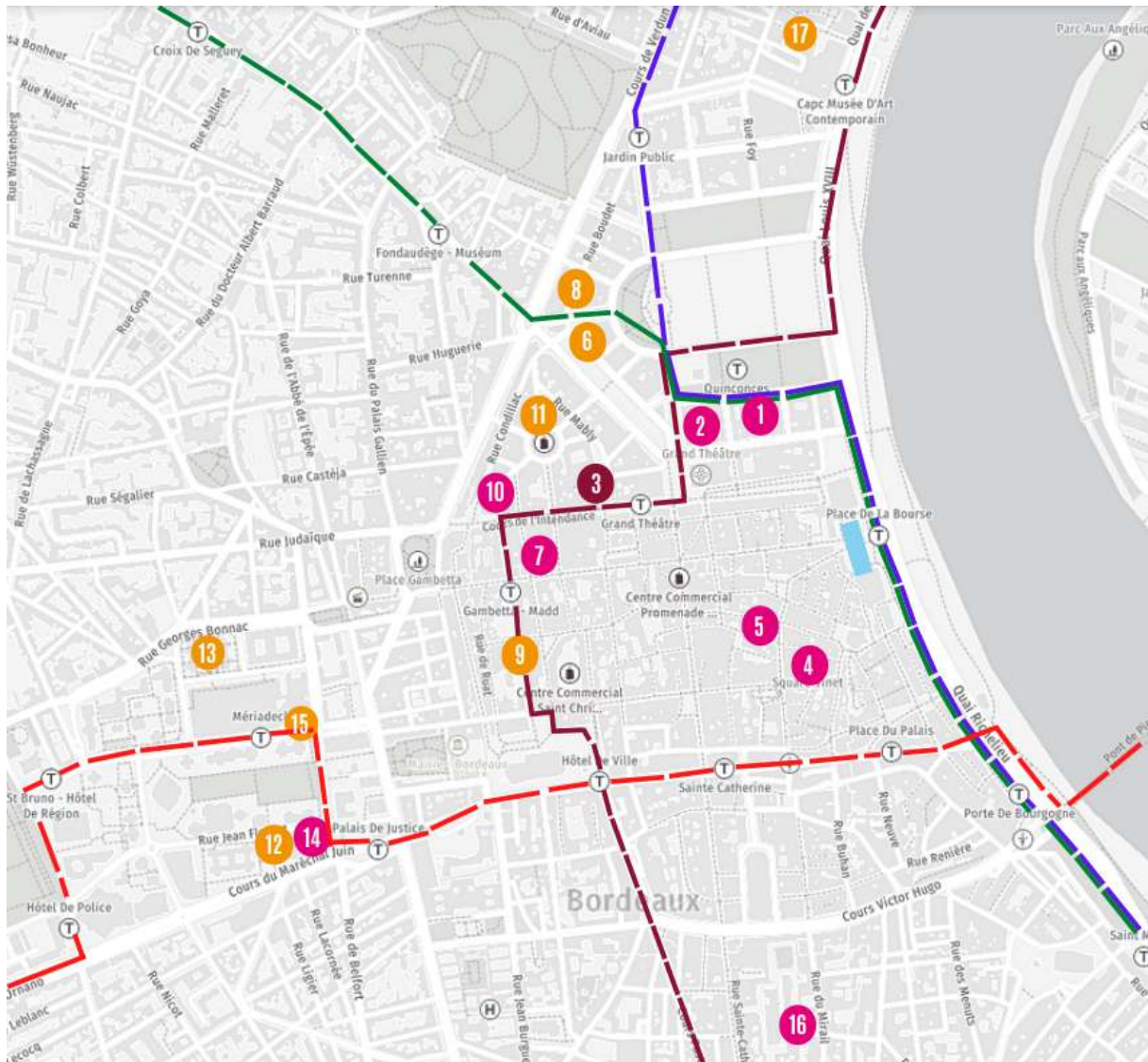
1855 Area: only for satellites meetings








Hotels

A hotel list is proposed by the Palais de la Bourse and can be found on their website: bordeauxpalaisbourse.com



 Bordeaux Palais de la Bourse 17,
place de la Bourse,
33076Bordeaux

-  Hotels 3*
-  Hotels 4*
-  Hotels 5*

-  Tram A
-  Tram B
-  Tram C
-  Tram D



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Palais de la Bourse
Bordeaux, France

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33000 Bordeaux
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✉ majestic@hotel-majestic.com
🌐 www.hotel-majestic.com
🛏 47 Chambres
- 2 Hôtel des 4 Sœurs *****
6 cours du 30 juillet 33000 Bordeaux
☎ +33 (0)5 57 81 19 20
✉ contact@hotel-bordeaux-4soeurs.com
🌐 www.quatre-soeurs.hotel-bordeaux-centre.com
🛏 34 chambres
- 3 Intercontinental Bordeaux, Le Grand Hotel *******
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🌐 <https://bordeaux.intercontinental.com/>
🛏 130 chambres
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✉ reservations@qualityhotelbordeauxcentre.fr
🌐 www.qualityhotelbordeauxcentre.com
🛏 84 chambres
- 5 Hôtel de la Presse *****
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🌐 www.hoteldelapresse.com/
🛏 27 chambres
- 6 Hôtel de Normandie ******
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🌐 www.hotel-de-normandie-bordeaux.com
🛏 100 chambres
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✉ bayetche@bordeaux-hotel.com
🌐 www.bordeaux-hotel.com
🛏 61 chambres sur les deux établissements à 50 mètres l'un de l'autre
- 8 Hôtel de Sèze *****
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🌐 www.hotel-de-seze.com
🛏 55 chambres
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🌐 www.novotel.com
🛏 137 chambres
- 13 Mercure Bordeaux Centre******
5 rue Robert Lateulade (rénové entièrement en 2019)
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✉ celine.favre@accor.com
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🛏 194 chambres
- 14 Ibis Bordeaux Centre Mériadeck*****
35, cours du Maréchal Juin (rénové entièrement en 2020)
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🌐 www.ibishotels.com
🛏 203 chambres
- 15 FirstName Bordeaux**
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✉ reservations@qualityhotelbordeauxcentre.fr
🌐 contact@firstnamebordeaux.com
🛏 147 rooms
- 16 Hôtel Staycity Aparthotel Bordeaux City Centre *** (proche centre historique)**
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☎ +33 (0)5 33 52 08 54
✉ h6177@accor.com
🌐 www.staycity.com
🛏 125 chambres
- 17 Mercure Bordeaux City Mondiale Centre de Congrès******
18, parvis des Chartons / 20 quai des chartons 33000 Bordeaux
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🌐 www.mercure.com
🛏 97 chambres



Bordeaux overview

Bordeaux is a city located in the southwest of France, renowned for its historical heritage, world-class vineyards, and beautiful architecture. Situated on the banks of the Garonne River, this city offers visitors a unique blend of history, culture, and gastronomy.

Must-see attractions in Bordeaux include the **Place de la Bourse**, an architectural masterpiece from the 18th century, the **Saint-André Cathedral**, a stunning example of Gothic architecture, and the historic district of **Old Bordeaux**, with its picturesque streets and lively squares.

*Fontaine des Trois Grâces,
Place de la Bourse*



Tour Pey Berland et Cathédrale Saint André



Porte Cailhau



*Monument aux Girondins,
Place des Quinconces*



Pont de Pierre et basilique Saint Michel





The [Cité du Vin](#) is a must-visit for anyone interested in the fascinating world of wine. This architectural marvel serves as a wine museum, cultural center, and wine tasting destination, offering visitors a captivating journey through the history, culture, and art of winemaking. Inside, you'll find interactive exhibitions, multimedia installations, and a vast collection of wine-related artifacts from around the globe. The highlight for many is the wine-tasting experience, where you can sample a wide range of wines from Bordeaux and other renowned wine regions.



Wine enthusiasts will be delighted by Bordeaux's proximity to **famous vineyards** in the region, including the renowned Médoc's [route des vins](#) and the charming village of Saint-Émilion. Wine tastings and tours of vineyard châteaux are a must!





Bordeaux's culinary scene is also a highlight, featuring delicious dishes like entrecôte bordelaise and canelés (Bordeaux's emblematic gourmet pastries). Don't forget to stroll along the Garonne River quays and experience the vibrant nightlife of the city.



Bordeaux is a must-visit destination for history, wine, and culture lovers, offering a rich and diverse tourist experience in the heart of the beautiful Aquitaine region.

Please visit <https://www.bordeaux-tourism.co.uk/> for further information or have a look on [Bordeaux 360° visit !](#)



A variety of experiences at your fingertips

The **Bassin d'Arcachon**, located on the Atlantic coast of southwestern France, is an idyllic coastal destination. This saltwater lagoon is famous for its natural beauty, sandy beaches, and delicious seafood. One of its iconic attractions is **Cap Ferret**, a picturesque peninsula that offers a tranquil getaway with its pristine beaches, authentic fishing villages, and world-renowned seafood restaurants. Just nearby, you'll find the **Dune du Pilat**, Europe's tallest sand dune, offering spectacular views of the basin, the Atlantic Ocean, and the surrounding forest.



Nestled in the heart of the Bordeaux wine region, **Saint-Émilion** is a picturesque medieval town that has earned its place as a UNESCO World Heritage Site. This charming village is a wine lover's paradise, surrounded by rolling vine-covered hills and historic châteaux where world-class Bordeaux wines are carefully crafted. Visitors to Saint-Émilion can explore the ancient underground wine cellars, enjoy wine tastings at local wineries, and take in breathtaking panoramic views of centuries-old vineyards from atop the town's bell tower.

