

Aurélien BIGNON

45A rue de Margnolles
69300 Caluire et Cuire

France

Cell. +33 (0)6 79 82 08 22

a.bignon@biom-advice.com

www.biom-advice.com

YOUR CONSULTANT

Expertise: Biological evaluations (ISO10993), Toxicology (SFT member), Clinical evaluations (MEDDEV 2.7.1), Process validation, Audits, ISO13485, ISO17025, EC marking, Training



PROFESSIONAL EXPERIENCE

<p>2013- BIOM ADVICE</p>	<p>2013- BioM ADVICE – Independent consultant</p> <ul style="list-style-type: none"> ✚ Clinical evaluation MEDDEV 2.7.1, Biological evaluation ISO 10993-1, Toxicological assessment ISO 10993-17, Process validation, Audits, EC marking files, Regulatory technical and QMS advice ✚ Member of the Société Française de Toxicologie (SFT) ✚ Technical expert in ISO TC194 committee on “Biological and clinical evaluation of MD” ✚ Technical expert in ISO TC150 committee on “surgical implants” from 2008 to 2017 ✚ ISO17025 and ISO 13485 auditor ✚ Trainer (Biological evaluation, sterilization, audit...)
<p>2002-2013 MEDICAL GROUP</p>	<p>2010-2013 MEDICAL LAB General Manager</p> <ul style="list-style-type: none"> ✚ MEDICAL LAB General Manager (R&D, Microbiology tests, Mechanical and physicochemical tests on MD, Cleaning, packaging and sterility validations), ISO17025 ✚ Participation to AFNOR and ISO committees <p>2007- Coating, packaging and biomaterials expert, Technical manager</p> <ul style="list-style-type: none"> ✚ Technical manager for Plasma spray coatings on MD, Cleaning and packaging of MD and Manufacturing of biomaterials, ISO13485 <p>2002- R&D engineer, regulatory affairs</p> <ul style="list-style-type: none"> ✚ Project manager: Risk analysis, Functional specification, Value analysis... ✚ VMP, IQ, OQ, PQ process validations: Manufacturing, cleaning, packaging, sterilization. ✚ Quality management system for manufacturing activities. ✚ Regulatory files and survey: EC marking, 510(k), Master File (MAF)

EDUCATION

<p>Continuous training</p>	<p>2022 BSI - ISO 13485: 2016 clause by clause</p> <p>2021 Univ. Paris - Toxicology Basics: Study of methodological mechanisms and approaches</p> <p>2020 BSI - ISO 14971: 2019 Application of risk management to medical devices</p> <p>2019 LNE - Clinical evaluation of medical devices (MEDDEV 2.7/1 Rev.4)</p> <p>2018 CPE - Toxicology applied to health hazards</p> <p>2018 MD101 - 2017/745 regulation on medical devices</p> <p>2017 CEFIRA - Toxicological evaluation of impurities in drug products</p> <p>2017 BSI - Training of the trainer</p> <p>2016 LNE - Internal and supplier audit according to ISO13485 and ISO19011</p> <p>2015 MEDIQUAL - Application of usability engineering to medical devices (EN 62366)</p> <p>2014 TUV - Biocompatibility of product and process (ISO 10993)</p> <p>2014 AFNOR - Rules for drafting standards</p> <p>2013 COFRAC - ISO/CEI 17025 Technical auditor of testing laboratories</p> <p>2012 CCI - Strategy for SME – sales techniques</p> <p>2010 Consultant - Management coaching</p> <p>2007 IFIS - Materiovigilance management</p> <p>2006 LNE - 510(k)</p> <p>2006 IDEE CONSULTING - 21CFR US regulation for medical devices</p>
<p>Education</p>	<p>1999-2002 PhD « Development of HA/TCP bone substitutes with antibiotic » (collaboration between MEDICAL GROUP and MATEIS lab of INSA Lyon)</p> <p>1994-1999 INSA Lyon engineer school, specialization in materials</p>

LANGUAGES

<p>Languages</p>	<p>French: mother tongue</p> <p>English: fluent</p>
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SCIENTIFIC PUBLICATIONS

- ✚ BIGNON A., CHEVALIER J., FANTOZZI G. *Effect of ball milling on the processing of bone substitutes with calcium phosphate powders*. Journal of Biomedical Material Research, Applied Biomaterials, 2002, 63, 5 : 619-626.
- ✚ CHOUTEAU J., BIGNON A., CHAVASSIEUX P., CHEVALIER J., MELIN M., FANTOZZI G., BOIVIN G., HARTMANN D., CARRET JP. *Culture cellulaire d'ostéoblastes et de fibroblastes sur substitut osseux poreux en phosphate de calcium*. Revue de chirurgie orthopédique, 2003, vol. 89, p. 44-52.
- ✚ BIGNON A., CHOUTEAU J., CHEVALIER J., FANTOZZI G., CARRET J-P., CHAVASSIEUX P., BOIVIN G., MELIN M., HARTMANN D. *Effect of micro and macroporosity of bone substitutes on their mechanical properties and cellular response*. Journal of material science : materials in medicine, 2003, vol. 14, p. 1089-1097.
- ✚ LAURENT F., BIGNON A., HARTMANN D., GOLDNADEL J., CHEVALIER J., FANTOZZI G., VIGUIER E., ROGER T., BOIVIN G. *A new concept of gentamicin loaded HAP/TCP bone substitute for prophylactic action - in vitro release validation*. Journal of material sciences: materials in medicine, in press
- ✚ VIGUIER E., BIGNON A., LAURENT F., GOEHRIG D., BOIVIN G., CHEVALIER J. *A new concept of gentamicin loaded HAP/TCP bone substitute for prophylactic action - in vivo pharmacokinetic study*, Mater Sci: Mater Med (2011) 22:879–886

PATENTS

- ✚ WO2006013244: METHOD FOR COATING AT LEAST A PART OF A MEDICAL PROSTHESIS SURFACE WITH ONE OR SEVERAL ANTIBACTERIAL AGENTS (2006)
- ✚ FR2993183 : COMPOSITION OF INJECTABLE BONE SUBSTITUTE (2014)

STANDARDS (Project leader)

- ✚ ISO 13175-3 (2012): Implants for surgery - Calcium phosphates - Part 3: Hydroxyapatite and beta-tricalcium phosphate bone substitutes
- ✚ ISO 13779-2 (2018): Implants for surgery - Hydroxyapatite - Part 2: Coatings of hydroxyapatite
- ✚ ISO 13779-4 (2018): Implants for surgery - Hydroxyapatite - Part 4: Determination of coating adhesion strength
- ✚ ISO 13779-6 (2015) : Implants for surgery - Hydroxyapatite - Part 6: Powders
- ✚ ISO 13179-1 (2014): Implants for surgery - Plasma-sprayed unalloyed titanium coatings on metallic surgical implants - Part 1: General requirements
- ✚ ISO 19227 (2018): Implants for surgery - Cleanliness of orthopedic implants - General requirements

STANDARDS (Active participation as an expert)

- ✚ ISO 10993-1 (under revision): Biological evaluation of medical devices — Part 1: Evaluation and testing within a risk management process
- ✚ ISO 10993-12 (2021): Biological evaluation of medical devices — Part 12: Sample preparation and reference materials
- ✚ ISO 10993-17 (under revision): Biological evaluation of medical devices — Part 17: Establishment of allowable limits for leachable substances
- ✚ ISO 10993-18 (2020): Biological evaluation of medical devices — Part 18: Chemical characterization of medical device materials within a risk management process