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Professor of immunology

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### **Current position and field of research**

**Research** Head of INSERM (National Institute of Health and Medical Research) U1234 research laboratory  
22, bd Gambetta - 76000 Rouen - France  
Director of FOCIS (Federation of Clinical Immunology Societies) Center of Excellence PAn'THER

**Teaching** Full Professor of Immunology - Faculty of Health – Rouen Normandy University

**Hospital** Head of the Laboratory of Immunology and Biotherapy - Rouen University Hospital  
1, rue de Germont - 76000 Rouen

### **Board Member**

FOCIS, international chair of the Centers of Excellence committee  
FOCIS, member of the Board of Directors  
International Union of Immunological Societies (IUIS), education committee  
Immunopaedia.org, steering Committee  
Institute for Research and Innovation in Biomedicine (Rouen) - Director (2013-16)  
Normandy University, Vice-President (2016-21)

### **Member**

French Society of Immunology (SFI), former board member  
French Society of Bone Marrow Transplantation and Cell Therapy (SFGM-TC)  
French Society of Cell and Gene Therapy (SFTCG), former board member  
American Society of Hematology  
French College of Professors of Immunology (CeNI), former board member  
Pasteur Institute Alumni Association (AAEIP)

## **Qualifications and diploma**

2002	Habilitation for research direction (HDR), Paris
1998	Ph.D. (immunology and gene therapy), Pitié-Salpêtrière faculty of medicine, Paris
1993	M.D., specialization in clinical biology, Paris
1991	Post-graduate diploma in immunology (DEA), Pasteur institute, Paris
1985	Master Sc., Paris

## **Invited speaker to congresses (from 2015, limited to international)**

Latino-American Federation of Immunology Societies congress (ALAI 2015, Medellin)  
European NeuroMuscular Centre congress (ENMC 2016, Naarden)  
Biomarkers in Rheumatic Diseases 7th GISEA conference (GISEA 2016, Rome)  
Federation of African Immunology Societies (FAIS 2017, Hammamet)  
Latino-American Federation of Immunology Societies congress (ALAI 2018, Cancun)  
European NeuroMuscular Centre congress (ENMC 2018, Amsterdam)  
Global Conference On Myositis (GCOM 2019, Berlin)  
International Congress of Immunology (ICI 2019, Beijing)  
Global Conference On Myositis (GCOM 2022, Prague)  
Franco-Argentine Immunology Congress (FAIC 2022, Mar del Plata, Argentina)

## **Organization of national/international meetings (from 2015)**

Global Conference On Myositis (GCOM 2019, Berlin)  
ALAI/SFI symposium (FOCIS 2019, Boston)  
RIIP annual meeting (2015 to present, Paris)  
Paul Erlich symposium (2019, Paris)  
Cellular immunotherapy of cancer at the age of maturity (2019, Rouen)  
Auto-Immuno-SEM annual meeting (2019-present, Paris)  
1<sup>st</sup> symposium of FOCIS Center of Excellence PAn'THER (2022, Rouen)  
Franco-Argentinian Immunology Congress (FAIC2022, Mar del Plata, Argentina)  
European FOCIS Advanced Course and Conference on Immunology (2023, Rouen)

“Anti-transcription intermediary factor 1-gamma IgG2 isotype is associated with cancer in adult dermatomyositis: an ENMC multinational study.”

CORDEL N, DECHELOTTE B, JOUEN F ... TRESSIERES B, **BOYER O**  
**Rheumatology** 2022 *in press*

“Evaluation of clinical relevance and biological effects of antirituximab antibodies in patients with pemphigus.”

LEMIEUX A, MAHO-VAILLANT M, ... **BOYER O**, CALBO S, CANDON S, JOLY P  
**JAMA Dermatol.** 2022 Aug 1;158(8):893-899.

“TRIM33 gene somatic mutations identified by next generation sequencing in neoplasms of patients with anti-TIF1γ positive cancer-associated dermatomyositis.”

CORDEL N, DERAMBURE C, COUTANT S ... TOURNIER I, **BOYER O**  
**Rheumatology** 2021, 6012:5863-5867

“Myogenic cell transplantation in genetic and acquired diseases of skeletal muscle.”

**BOYER O**, BUTLER-BROWNE G, CHINOY H, COSSU G ... TORRENTE Y, VAN TIENEN F  
**Front Genet** 2021, 12:702547

“T cell and antibody responses to SARS-CoV-2: experience from a French transplantation and hemodialysis center during the COVID-19 pandemic.”

CANDON S, GUERROT D, DROUOT L ... **BOYER O**, BERTRAND D  
**Am J Transplant** 2021, 21(2):854-863

“Hepatic expression of GAA results in enhanced enzyme bioavailability in mice and non-human primates.”

COSTA-VERDERA H, ... **BOYER O**, ARMOUR SM, COLELLA P, RONZITTI G, MINGOZZI F.  
**Nat Commun** 2021, 12(1):6393

“Generation of pure highly functional human anti-tumor specific cytotoxic T lymphocytes with stem cell-like memory features for melanoma immunotherapy.”

HAMIEH M, CHATILLON JF ... **BOYER O**, LATOUCHE JB  
**Front Immunol** 2021, 12:674276.

“Immune-mediated necrotizing myopathy: clinical features and pathogenesis.”

ALLENBACH Y, BENVENISTE O, STENZEL W, **BOYER O**  
**Nat Rev Rheumatol** 2020, 16(12):689-701

“Evaluation of humoral immunity to SARS-CoV-2: diagnostic value of a new multiplex addressable laser bead immunoassay.”

DROUOT L, HANTZ S, JOUEN F ... FAFI-KREMER S, **BOYER O**  
**Front Microbiol** 2020, 11:603931

“In vivo pathogenicity of IgG from patients with anti-SRP or anti-HMGCR autoantibodies in immune-mediated necrotising myopathy.”

BERGUA C, CHIAVELLI H, ALLENBACH Y ... DROUOT L, **BOYER O**  
**Ann Rheum Dis** 2019, 78:131

“The IgG2 isotype of anti-transcription intermediary factor 1-gamma autoantibodies is a biomarker of mortality in adult dermatomyositis.”

AUSSY A, FRÉRET M, GALLAY L ... CORDEL N, **BOYER O**  
**Arthritis Rheum** 2019, 71:1360-70

“Autologous myoblasts for the treatment of fecal incontinence: results of a phase 2 randomized placebo-controlled study.”

**BOYER O**, BRIDOUX V, GIVERNE C ... BENICHOU J, MICHOT F  
**Ann Surg** 2018, 267:443

“Induction of hematopoietic microchimerism by gene-modified BMT elicits antigen-specific B and T cell unresponsiveness toward gene therapy products.”

MARTINET J, BOURDENET G, MELIANI A ... MINGOZZI F, **BOYER O**  
**Front Immunol** 2016, 7:360