

## PERSONAL

Born:  
July 4<sup>th</sup> 1973 in Rheinfelden  
(AG)

Civil status:  
Married, 2 children

Nationality:  
Swiss



# José A. Aguirre

Anaesthesiologist FMH, EDRA  
PD, MD, MSc

## LANGUAGES



GERMAN /  
SPANISH



ITALIAN



ENGLISH / FRENCH

## CONTACT



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8008 Zürich

## CLINICAL EXPERIENCE / ACADEMIC APPOINTMENT

### SENIOR CONSULTANT ANAESTHETIST

BALGRIST UNIVERSITY HOSPITAL, Zurich  
DEPARTMENT OF ANAESTHESIOLOGY, INTENSIVE CARE AND PAIN MEDICINE

Since May 2018

- Head of Anaesthesia Education and Research
- Head of Study Coordination UCAR (Unit for Clinical and Applied Research)
- Operating Room (OR) Coordination

### CONSULTANT ANAESTHETIST

BALGRIST UNIVERSITY HOSPITAL, Zurich  
DEPARTMENT OF ANAESTHESIOLOGY, INTENSIVE CARE AND PAIN MEDICINE

09/2008 – 04/2018

- Team leader Anaesthesia Education and Research
- Team leader Study Coordination UCAR (Unit for Clinical and Applied Research)

### SENIOR RESIDENT IN ANAESTHESIOLOGY

UNIVERSITY HOSPITAL OF ZURICH  
INSTITUTE OF ANAESTHESIOLOGY

Rotation in following disciplines :

Visceral Surgery, Thoracic Surgery, Neuro Surgery, Obstetrics and Gynaecology, ORL and Ophthalmic Surgery, Traumatology and Emergency Department, Burns Unit, Acute Pain Service, Transplant Team

2006 – 2008

### ANAESTHESIOLOGY RESIDENCY PROGRAM

REGA TICINO, Locarno  
SWISS AIR RESCUE (HELICOPTER)  
Senior Emergency Doctor

2003 – 2005

CROCE VERDE LUGANO  
AMBULANCE SERVICE LUGANO  
Consultant Emergency Doctor and Deputy Medical Director

OSPEDALE REGIONALE DI LUGANO  
INSTITUTE OF ANAESTHESIOLOGY  
Resident in Anaesthesiology

CARDIOCENTRO TICINO LUGANO  
INSTITUTE OF ANAESTHESIOLOGY  
Resident in Cardiac Anaesthesiology and Intensive Care Medicine

### RESIDENT IN REHABILITATION AND PAIN MEDICINE

REHABILITATION CLINIC RHEINFELDEN  
CLINIC OF REHABILITATION AND CHRONIC PAIN MEDICINE  
Resident in Musculoskeletal Rehabilitation and Pain Medicine

01/2003 – 06/2003

### RESIDENT IN SURGERY AND EMERGENCY MEDICINE

TOWNSHIP HOSPITAL TRIEMLI, Zurich  
DEPARTMENT OF SURGERY  
Junior Resident in Surgery and Surgical Emergency Department

2001 – 2002

## EDUCATION AND DEGREES

### PRIVATDOZENT (PD)

UNIVERSITY OF ZURICH, FACULTY OF MEDICINE

04/2018

Venia legendi post-doctorate university teaching qualification awarded by the University of Zurich:

Habilitationsschrift (Thesis) :

"The impact of regional anaesthesia in the ambulatory setting"

### MASTER IN INTERDISCIPLINARY PAIN THERAPY

UNIVERSITY OF VIENNA, AU

2009 – 2011

Master of Science (MSc) in Interdisciplinary Pain Therapy.

Master Thesis:

"In vitro exposition of human fibroblasts and osteoblasts to non-steroidal anti-inflammatory drugs (diclofenac / ketorolac) and morphine. Cytotoxicity at clinically used plasma concentrations?"

### ANAESTHESIOLOGY AND EMERGENCY MEDICINE

SWISS ULTRASOUND SOCIETY IN MEDICINE  
AND BIOLOGY (SGUM)

2000 - 2009

Point of Care Ultrasound (POCUS) for Regional Anaesthesia and  
Central Venous Access Board Certification (2018)

FEDERAL DEPARTMENT OF DEFENCE, CIVIL PROTECTION AND SPORT (VBS) /  
COORDINATED MEDICAL SERVICE (KSD) /  
SWISS SOCIETY FOR EMERGENCY MEDICINE (SGNOR), Bern

Swiss Emergency Medicine for major events and catastrophes Board  
Certification (SFG / CEFOCA) (2009)

SWISS SOCIETY FOR ANESTHESIOLOGY (SGAR), Bern

Swiss Anaesthesiology Board Certification (2009)

EUROPEAN SOCIETY OF REGIONAL ANAESTHESIA (ESRA), Genoa

European Diploma in Regional Anaesthesia and Acute Pain Management  
(EDRA) (2008)

SWISS MEDICAL FEDERATION (FMH), Bern

Swiss EU-General Medicine (Practical Doctor) Board Certification (2005)

SWISS SOCIETY FOR EMERGENCY MEDICINE (SGNOR), Bern

Swiss Emergency Medicine Board Certification (2005)

### DOCTORAL THESIS

UNIVERSITY OF BASEL, FACULTY OF MEDICINE

2002

Medical Doctor. Doctoral Thesis:

"Parent's information: efficiency? Interviews with parents of children with  
congenital heart disease."

### MEDICAL SCHOOL

UNIVERSITY OF BASEL, FACULTY OF MEDICINE

1994 - 2000

### FELLOWSHIPS (6 MONTHS) AND OBSERVERSHIPS

UNIVERSITY OF MADRID, SPAIN

2004 - 2016

HOSPITAL ASEPEYO COSLADA

DEPARTMENT OF ANAESTHESIA

Observership in Ultrasound-Guided Regional Anaesthesia

UNIVERSITY OF LAUSANNE

CENTRE HOSPITALIER UNIVERSITAIRE VAUDOIS (CHUV)

DEPARTMENT OF ANAESTHESIA

Observership in Ultrasound-Guided Regional Anaesthesia

SWISS PARAPLEGIC CENTER, Nottwil  
CENTER FOR PAIN MEDICINE  
Observership in Interventional / Chronic Pain Medicine

UNIVERSITY OF ILLINOIS AT CHICAGO (UIC), Chicago, USA  
DEPARTMENT OF ANAESTHESIOLOGY  
Observership in Pain Medicine and Regional Anaesthesia

UNIVERSITY OF ILLINOIS AT CHICAGO (UIC), Chicago, USA  
DEPARTMENT OF ANAESTHESIOLOGY  
Observership in Pain Medicine and Regional Anaesthesia

UNIVERSITY CHILDREN'S HOSPITAL OF ZURICH  
DEPARTMENT OF PAEDIATRIC ANAESTHESIOLOGY  
Fellowship in Paediatric Anaesthesia

BALGRIST UNIVERSITY HOSPITAL, Zurich  
DIVISION OF ANAESTHESIOLOGY  
Fellowship in Regional Anaesthesia and Pain Medicine

UNIVERSITY CHILDREN'S HOSPITAL OF LAUSANNE  
DEPARTMENT OF PAEDIATRIC ANAESTHESIOLOGY  
Observership in Paediatric Anaesthesia

## EXAMS AND DIPLOMAS

2002 - 2016

FACULTY OF MEDICINE OF THE UNIVERSITY OF ZURICH  
GOOD CLINICAL PRACTICE (GCP) Update  
Good Clinical Practice compact seminar : the new Human Research Act

BASIC DIDACTIC COURSE, Zurich  
Official Course of the Faculty of Medicine for the Venia Legendi

FEDERAL DEPARTMENT OF DEFENCE, CIVIL PROTECTION AND SPORT (VBS) /  
COORDINATED MEDICAL SERVICE (KSD) /  
SWISS SOCIETY FOR EMERGENCY MEDICINE (SGNOR), Zurich  
Emergency doctor course B for major events and catastrophes (SFG /  
CEFOCA)

FACULTY OF MEDICINE OF THE UNIVERSITY ZURICH  
GOOD CLINICAL PRACTICE (GCP) MODULES 1-3  
Good Clinical Practice certificate modules 1-3 for Principal Investigators

SWISS ASSOCIATION FOR THE STUDY OF PAIN (SGSS), Zurich  
PAIN THERAPY COURSE  
Provider's certificate according to the guidelines of the Swiss Association  
for the Study of Pain (SGSS)

EUROPEAN SOCIETY OF REGIONAL ANAESTHESIA & PAIN THERAPY (ESRA)  
EDRA-Diploma part II (oral and practical test), Genoa

EUROPEAN SOCIETY OF REGIONAL ANAESTHESIA & PAIN THERAPY (ESRA)  
EDRA-Diploma part I (written test); Valencia

EUROPEAN SOCIETY OF ANAESTHESIOLOGY (ESA), Bern  
ESA-Diploma part I (written test)

PRE-HOSPITAL TRAUMA LIFE SUPPORT (PHTLS), Lugano  
PHTLS Provider  
Provider's diploma in PHTLS according to the guidelines and monitored by  
the American College of Surgeon (ACS)

FEDERAL DEPARTMENT OF DEFENCE, CIVIL PROTECTION AND SPORT (VBS) /  
COORDINATED MEDICAL SERVICE (KSD) /  
SWISS SOCIETY FOR EMERGENCY MEDICINE (SGNOR), Lausanne  
Emergency doctor course A for major events and catastrophes (SFG /  
CEFOCA)

PAEDIATRIC ADVANCED LIFE SUPPORT (PALS), Lugano  
PALS Provider  
Provider's diploma in PALS according to the guidelines and monitored by  
the American Heart Association (AHA)

SWISS SOCIETY FOR EMERGENCY MEDICINE (SGNOR), Lugano  
Emergency doctor course for pre-hospital emergency medicine

ADVANCED TRAUMA LIFE SUPPORT (ATLS), Zurich  
ATLS Instructor

Instructor's diploma in ATLS according to the guidelines and monitored by the American College of Surgeons (ACS)

ADVANCED CARDIAC LIFE SUPPORT (ACLS), Zurich  
ACLS Provider

Provider's diploma in ACLS according to the guidelines and monitored by the American Heart Association (AHA)

ADVANCED TRAUMA LIFE SUPPORT (ATLS), Zurich  
ATLS Provider

Provider's diploma in ATLS according to the guidelines and monitored by the American College of Surgeons (ACS)

## CONTINUING EDUCATION / FURTHER QUALIFICATIONS

		2002 - 2017
2019	KATZ'19 (Paediatric Anaesthesia Day), Zurich European Symposium on Ambulatory Anaesthesia and Analgesia	
2018	Private Tutorial in Regional Anaesthesia and Acute Pain Management Techniques, Fundeco, Madrid Education Workshop for Lecturers of the Faculty of Medicine, Zurich Pain, agitation, and delirium (PAD) management Workshop, Triemli Hospital Zurich ESRA Regional Anaesthesia Workshop, Madrid	
2017	MCQ Examination Course, ETH Zurich Oral Examination Course, University of Zurich ATLS Instructor Afternoon, Bern Brain Monitoring for Orthopaedic and Trauma Surgery, Balgrist Zurich	
2016	Anaesthesia and Intensive Medicine Update Refresher, Zurich ESRA Instructor Course, Amsterdam Fundeco (ultrasound for (regional) anaesthesia and intensive care) module I, Madrid Neuromonitoring Symposium, Basel Cerebral Oxygenation and Monitoring Meeting, Prague KATZ'16 (Paediatric Anaesthesia Day), Zurich	
2015	Cerebral & End Organ Compromises Symposium, Stockholm Evidence based acute pain therapy, St. Gallen Atelier romand d'anesthésie locorégionale sous échographie, Lausanne Advanced leadership skills; Workshop from the Royal College of Physicians in partnership with the SIWF, Lucerne Anaesthesia and Safety Symposium, Zürich Paediatric Emergencies: respiratory distress situations, Zurich Leadership is the key! Hospital-Forum seminar, hospital-learning.ch, Zürich Leadership and Management for Doctors; H+ Seminar approved by the SIWF and FMH, Aarau Basic leadership skills; Workshop from the Royal College of Physicians in partnership with the SIWF, Lucerne KATZ'15 (Paediatric Anaesthesia Day), Zurich Cerebral Monitoring for Anaesthesia, Copenhagen, DEN Near-Infrared Spectroscopy for Anaesthesia, Oslo, NOR Cerebral blood flow and beach chair position, Helsinki, FIN	

- All blocks in one go: ultrasound workshop for regional anaesthesia, Ljubljana
- 2014 Medicine and Economics, H+ seminar approved by the SIWF and FMH, Aarau  
 Principles in Health Economics (HealthKey, ETH Zürich)  
 Near-infrared spectroscopy for beach chair position, Vienna  
 2nd Paediatric Anaesthesia Refresher Course, Lucerne  
 3rd Swiss Trauma and Resuscitation Day, Bern  
 2nd Pain Symposium, Zürich  
 Video-Laryngoscopy Hands-on-Workshop, USZ, Zurich  
 Symposium in paediatric anaesthesia, STZ, Zurich  
 Monitoring of cerebral perfusion using NIRS, Barcelona
- 2013 Health Economy Symposium, Winterthur  
 2nd Swiss Trauma and Resuscitation Day, Bern  
 KATZ' 13 (Paediatric Anaesthesia Day), Zurich  
 Upper limb: ultrasound workshop for regional anaesthesia, Santander  
 Ultrasound workshop for paediatric regional anaesthesia, Santander
- 2012 Emergency Medicine Forum, Winterthur  
 SARA Satellite Symposium (SGAR annual congress)  
 KATZ' 12 (Paediatric Anaesthesia Day), Zurich:  
 Workshop in paediatric coagulation, monitoring and therapy, Zurich  
 Workshop in difficult paediatric airway, Zurich  
 Winfocus: Ultrasound Life Support – Basic Level 1 Provider Course, Lugano  
 1st Swiss Trauma and Resuscitation Day, Bern  
 Cadaver / Model Workshop in ultrasound for regional anaesthesia, Fribourg  
 Thoracic and abdominal wall: ultrasound workshop for regional anaesthesia, A Coruña  
 Distal blocks: ultrasound workshop for regional anaesthesia, A Coruña
- 2011 Workshop in anatomy for regional anaesthesia, Barcelona  
 Workshop in regional anaesthesia techniques for foot surgery, Barcelona  
 Workshop in anatomy and regional anaesthesia techniques for central blocks, Barcelona  
 KATZ' 11 (Paediatric Anaesthesia Day), Zurich:  
     Workshop ultrasound for paediatric regional anaesthesia  
     Workshop difficult paediatric airway  
 Ultrasound and Anaesthesia: course & workshop, Bellinzona  
 Upper limbs: ultrasound workshop for regional anaesthesia, Barcelona  
 Lower limbs: ultrasound workshop for regional anaesthesia, Barcelona  
 Perioperative coagulation management, basis course & workshop, Klosters  
 Near-infrared spectroscopy in cardiac and interventional neuroradiology anaesthesia, Zurich  
 Pain Symposium: Invasive pain procedures in motion, Nottwil
- 2010 KATZ' 10 (Paediatric Anaesthesia Day), Zurich:  
 Intraosseous infusion technique  
 Ultrasound guided regional anaesthesia in children  
 Cadaver workshop in invasive pain therapy, Vienna

- Coagulation symposium, Klosters
- Invasive and non-invasive haemodynamic monitoring symposium, Zurich
- NIRS Masteclass: Cerebral and somatic oximetry, Vienna
- Basic course ultrasound for regional anaesthesia, Alicante
- Basic course ultrasound for paediatric regional anaesthesia, Alicante
- Basic course ultrasound for pain therapy, Alicante
- Cadaver workshop for regional anaesthesia, Porto
- Interventional pain therapy workshop, Porto
- Neuropathic pain Masterclass: International Coalition on Neuropathic Pain (ICNeP), Frankfurt
- Basic Didactic Course, University of Zurich
- 2009 KATZ'09 (Paediatric Anesthesia Day), Zurich:
- Fiberoptic intubation through the laryngeal mask in children
  - Ultrasound guided regional anaesthesia in children
- 8th Airway symposium: Workshops in airway management, St. Gallen
- Infiltration course for pain therapy, Zurich
- 2008 Cadaver workshop for regional anaesthesia, Fribourg
- 2007 Anaesthesia revision week, Toggenburg
- Cadaver workshop for regional anaesthesia, Fribourg
  - Workshop for invasive pain medicine, Innsbruck
  - Cadaver workshop for regional anaesthesia, Innsbruck
- 2005 Workshop in difficult airway management, Vienna
- 2004 Workshop in difficult airway management, Lisbon
- 2004 Performance of 50 supervised transesophageal echocardiographies, Lugano
- 2003 – present: One – two ATLS-courses per year as member of the Faculty, Zurich
- 2002 Basic abdominal ultrasound course, Winterthur

#### MEDICAL MEMBERSHIPS / BOARDS

- |                                                                                                           |             |
|-----------------------------------------------------------------------------------------------------------|-------------|
| Chairman of the Clinical Workshops at the Annual European Society of Regional Anaesthesia Meetings (ESRA) | 2009 - 2018 |
| Chairman of the European Diploma in Regional Anaesthesia and Acute Pain Management (EDRA)                 |             |
| Board Member of the European Society of Regional Anaesthesia                                              |             |
| Member of the ESRA Scientific Committee                                                                   |             |
| Board Member of the Swiss Society of Regional Anaesthesia (SARA)                                          |             |
| Member of the Swiss Society of Pain Medicine (SGSS)                                                       |             |
| Member of the European Society of Anaesthesiology (ESA)                                                   |             |
| Member of the Swiss Medical Association of Emergency and Rescue Medicine (SGNOR)                          |             |
| Member of the Swiss Association for Anaesthesiology and Reanimation (SGAR)                                |             |
| Member of the Swiss Medical Association (FMH)                                                             |             |

#### EDITORIAL ACTIVITIES

- |                                                                                                      |             |
|------------------------------------------------------------------------------------------------------|-------------|
| Consultant Reviewer for the following journals:                                                      | 2009 - 2016 |
| <ul style="list-style-type: none"> <li>• Saudi Journal of Anaesthesia</li> <li>• PLOS One</li> </ul> |             |

- Journal of Orthopedich Research and Reviews
- British Journal of Anaesthesiology
- BMC Anesthesiology
- Journal of Clinical Orthopaedics and Related Research
- Faculty of 1000 Medicine
- Journal of Clinical Anaesthesia
- Journal of Regional Anaesthesia and Pain Medicine

## EDUCATIONAL ACTIVITIES

### NATIONAL

2008 - 2018

Head of Anaesthesia Education and Research, Balgrist University Hospital:

- Responsible for the «Regional Anaesthesia Fellowship Program»
- Responsible for the students / residents training program
- Introduction and organization of different educational projects at the Balgrist University Hospital, Zurich

Member of the Examination Team for the Swiss Anesthesiology Board Certification FMH

Lecturer / Cadaver- Ultrasound-guided regional anaesthesia-Workshop Instructor at different national symposia / courses and congresses (SGAR, SARA Satellite Symposium, SARA Spring Meeting, Fribourg Cadaver Workshop)

### INTERNATIONAL

Chairman of the Clinical Workshops at the Annual ESRA Meetings since 2017

Member of the Examination Team for the European Diploma in Regional Anaesthesia and Acute Pain Therapy (EDRA) since 2009; EDRA Chairman since 2016

Responsible for the training program for the European anaesthesiology residents, recipients of the ESRA educational support grant

Lecturer / Cadaver- and ultrasound-guided regional anesthesia-Workshop Instructor at the ESRA Annual Congress since 2011

Lecturer / Cadaver- and ultrasound-guided regional anaesthesia-Workshop instructor at different international symposia / courses and congresses (ESA, ESRA, ESRA-España, DAC)

Advanced Trauma Life Support (ATLS) Instructor since 2003

### TEACHING EDUCATION AND AWARDS

Education Workshop for Lecturers, University of Zurich (2018)

MCQ Examination Course, ETH Zurich (2017)

Oral Examination Course, University of Zurich (2017)

ESRA-certified Instructor for Regional Anaesthesia (Amsterdam 2016)

Basic Didactic Course, University of Zurich (2010)

Swiss Institute for Medical Continuing Education (SIWF)-Award for Exceptional Commitment to Continuing Education (2014)

### PERSONALY ORGANIZED SYMPOSIA / WORKSHOPS

2019 Farewell Symposium Prof. A. Borgeat, Balgrist University Hospital, Zurich  
Neuromonitoring for Anaesthesia and ICU, Balgrist University Hospital, Zurich

2<sup>nd</sup> European Day of Regional Anaesthesia, Balgrist University Hospital, Zurich

2018 Needeling and Ultrasound Basics for Residents in Regional Anaesthesia, Balgrist University Hospital, Zurich

2017 Brain Monitoring for Orthopaedic and Trauma Surgery, Balgrist University Hospital, Zurich

## MANAGEMENT / LEADERSHIP EDUCATION

Advanced leadership skills; Workshop from the Royal College of Physicians in partnership with the SIWF (September 2015)

2014 - 2015

Leadership and Management for Doctors; H+ Seminar approved by the SIWF and FMH, Aarau (February-June 2015)

Leadership is the key! Hospital-Forum seminar, hospital-learning.ch, Zürich (June 2015)

Basic leadership skills; Workshop from the Royal College of Physicians in partnership with the SIWF, Luzern (April 2015)

Medicine and Economics; H+ seminar approved by the SIWF and FMH, Aarau (November 2014)

Principles in Health Economics; online (HealthKey, ETH Zürich), FMH Approved online course (July 2014)

## CLINICAL / QUALITY PROJECTS

Member of the Clinical Quality Group

2008 - 2019

- Audits
- Quality Control / ISO Certification

Responsible for the Pain Project

- Perioperative pain control
- Pain management in the ambulatory / emergency setting

Medical responsible for the Delirium Project

- Perioperative delirium prevention / therapy
- Perioperative delirium prevention / therapy for alcohol-dependent patients

Responsible for the improvement of the Anaesthesiology Undergraduate and Graduate Medical Education Project

- Structured introduction and teaching of students (cand. med.)
- Elective module (Mantelstudium) "Perioperative Medicine" and "Postoperative Medicine" (new) for the Master of Human Medicine at the University of Zurich
- Anaesthesia Residency Program
- Anaesthesia Research and Clinical Fellow Program

## GRANTS

### EDUCATIONAL GRANTS

2008 - 2018

2018 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
ESRA Educational Support Grant 2016: educational to support education in regional anaesthesia of european Residents in our department (1 grant)

2016 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
ESRA Educational Support Grant 2016: educational to support education in regional anaesthesia of european Residents in our department (3 grants)

2015 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
ESRA Educational Support Grant 2015: educational to support education in regional anaesthesia of european Residents in our department (2 grants)

2014 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
ESRA Educational Support Grant 2014: educational to support education in regional anaesthesia of european Residents in our department (2 grants)



- 2013 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
ESRA Educational Support Grant 2013: educational to support education in regional anaesthesia of european Residents in our department (3 grants)
- 2012 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
ESRA Educational Support Grant 2012: educational to support education in regional anaesthesia of european Residents in our department (3 grants)
- 2011 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
ESRA Educational Support Grant 2011: educational to support education in regional anaesthesia of european Residents in our department (4 grants)

RESEARCH GRANTS

- 2017 Balgrist Foundation Research Grant  
Near-Infra Red Spectroscopy for High Risk Patients: The impact of NIRS Monitoring in the prevention of postoperative Delirium (40'000 CHF)
  - 2011 Swiss Association for Anaesthesiology and Reanimation (SGAR) – Grant  
Cerebral oxygenation using near infrared spectroscopy for shoulder surgery in beach chair position: the effects of regional anaesthesia compared to general anesthesia. (5'000 CHF)
  - 2011 University of Zurich Research - Grant  
Cerebral oxygenation using near infrared spectroscopy for shoulder surgery in beach chair: the effects of regional anaesthesia on neurobehavioral and neurologic outcome. (10'000 CHF)
  - 2010 Swiss Association for Anaesthesiology and Reanimation (SGAR) – Grant  
The effect of anaesthetics on the endothelial function after ischaemia-reperfusion injury. (7'000 CHF)
  - 2009 European Society of Regional Anaesthesia & Pain Therapy (ESRA) – Grant  
Continuous ropivacaine 0.3% infusion for orthopedic surgery. A prospective, randomized, double-blind, placebo-controlled study. (10'000 €)
  - Swiss Association for Anaesthesiology and Reanimation (SGAR) – Grant  
The effect of anaesthetics on the endothelial function after ischaemia-reperfusion injury. (5'000 CHF)
  - 2008 Swiss Association for Anaesthesiology and Reanimation (SGAR) – Grant  
Continuous ropivacaine 0.3% infusion for orthopaedic surgery. A prospective, randomized, double-blind, placebo-controlled study. (20'000 CHF)
  - 2007 Swiss Association for Anaesthesiology and Reanimation (SGAR) – Grant  
The protective effect of low dose sevoflurane in anoxia-reoxygenation-injury in neonatal rat cardiomyocytes and the implication of the Jak-STAT-signaling pathway. (10'000 CHF)
- Institutional Grants in collaboration with the University of Illinois at Chicago (UIC), USA
- 2018 American Society of Regional Anaesthesia (ASRA)  
The impact of local anaesthetics on pancreas tumor growing.  
Prof. Borgeat A, MD; Votta-Velis G, MD, PhD et al. (200'000 USD)
  - 2013 European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
Do local anaesthetics (e.g. lidocaine) attenuate opioid (morphine)-induced angiogenesis? If so, what is the mechanism?  
Prof. Borgeat A, MD; Votta-Velis G, MD, PhD et al. (10'000 €)
  - 2012 European Society of Anaesthesiology (ESA)  
Anti-inflammatory effects of ropivacaine in lung cancer recurrence and metastasis – Is it a Src inhibitor?  
Prof. Borgeat A, MD; Votta-Velis G, MD, PhD et al. (60'000 €)
  - European Society of Regional Anaesthesia & Pain Therapy (ESRA)  
Comparison of different local anesthetics on Src inhibition in lung cancer recurrence and metastasis.  
Prof. Borgeat A, MD; Votta-Velis G, MD, PhD et al. (10'000 €)

- 2016 European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Maastricht)  
3rd Free Paper Presentation – Award:  
The impact of continuous femoral nerve block on postoperative neural functions for total knee arthroplasty: a prospective blinded, randomized study.  
(Presenter: Aliko Tympa-Grigoriadou)
- 2014 Swiss Association for Anaesthesiology and Reanimation (SGAR-Congress Interlaken)  
1st Poster Award  
Are laryngoscopy skills acquired during training with the Ambu KingVision® transferrable to laryngoscopic intubation with Macintosh blades and vice versa? (Presenter: L. Wolf)  
Swiss Institute for Medical Continuing Education (SIWF)-Award for Exceptional Commitment to Continuing Education 2014  
18th International Congress of the Polish Society of Anaesthesiology and Intensive Therapy.  
Best of Meeting Abstract and Presentation :  
Can lidocaine block morphine induced Src kinase?  
(Presenter: M. Brackowska; Collaboration with the University of Illinois at Chicago (UIC), USA)  
European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Sevilla)  
2nd Free Paper Presentation – Award:  
Effect of local anesthetics on opioid-induced angiogenesis.  
(Presenter: M. Brackowska; Collaboration with the University of Illinois at Chicago (UIC), USA)  
American Society of Regional Anaesthesia and Acute Pain Medicine (ASRA-Congress, Chicago)  
Best of Meeting Abstract Award :  
The impact of local anaesthetics on opioid-induced angiogenesis.  
(Presenter: Votta-Velis G, MD, PhD; Collaboration with the University of Illinois at Chicago (UIC), USA)
- 2013 European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Glasgow)  
1st Free Paper Presentation – Award :  
Keeping the endothelial barrier tight: Ropivacaine blocks TNF-Alpha-induced endothelial cell SRC activation via inhibition of PI3-Kinase/Akt/ENOS signalling.  
(Presenter: S. Guzzella; Collaboration with the University of Illinois at Chicago (UIC), USA)  
European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Glasgow)  
BBraun – Award 2013 :  
EDRA Board awarded (Prize received by Prof. A. Borgeat)
- 2012 European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Bordeaux)  
1st Free Paper Presentation - Award:  
Amide-linked local anaesthetics exhibit anti-metastatic potential via inhibition of Src and ICAM-1 signaling independently of sodium channel blockade.  
(Presenter: T. Piegeler; Collaboration with the University of Illinois at Chicago (UIC), USA)  
European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Bordeaux)  
3rd Free Paper Presentation - Award:  
Cerebral oxygenation using near infrared spectroscopy for shoulder surgery in beach chair position: regional anaesthesia with sedation compared to general anaesthesia for neurobehavioral outcome.

- 2011 European Society of Regional Anaesthesia & Pain Therapy – Spain (ESRA-España)  
 1st Free Paper Presentation (Becton Dickinson - Award ):  
 Cerebral oxygenation using near infrared spectroscopy in the beach chair position for shoulder surgery: comparing regional anaesthesia with conscious sedation to combined regional and general anaesthesia for neurological and neurobehavioral outcome.
- 2010 European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Porto)  
 1st Poster Prize:  
 In vitro exposure of human fibroblasts and osteoblasts to diclofenac and ketorolac is cytotoxic.
- European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Porto)
- 2nd Free Paper Presentation - Award:  
 Ropivacaine protects against ventilator-induced pulmonary capillary leakage.  
 (Presenter: T. Piegeler; Collaboration with the University of Illinois at Chicago (UIC), USA)
- 2009 European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Salzburg)  
 2nd Poster Prize:  
 In vitro exposure of human fibroblasts and osteoblasts to diclofenac is cytotoxic at clinically used concentrations.
- European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Salzburg)
- 1st Free Paper Presentation - Award:  
 ICAM-1 independent anti-inflammatory effect of ropivacaine in the double-hit mouse model of acute inflammation.  
 (Presenter: S. Voigtsberger; Collaboration with the University of Illinois at Chicago (UIC), USA)
- Clinical Trials Centre University Hospital Zürich; 8th Day of Clinical Research  
 1st Free Paper Presentation – Award Category Clinical Research:  
 Continuous epicapsular ropivacaine 0.3% infusion after minimal invasive hip replacement. A prospective, randomised, double-blinded study comparing the PAINfusor with the morphine-PCA.
- 2008 European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Genoa)  
 1st Free Paper Presentation - Award:  
 In vitro exposure of human fibroblasts to local anaesthetics is cytotoxic.  
 (Presenter: C. Fedder; Collaboration with the Zurich University Hospital)
- 2007 European Society of Regional Anaesthesia & Pain Therapy (ESRA-Congress Valencia)  
 3rd Free Paper Presentation - Award:  
 Improved success rate of interscalene catheter with deltoid / proximal triceps response.

- Since 2018: Member of the Examination Team for the Swiss Anaesthesiology Board Certification
- Since 2009: Member of the Examination Team at the ESRA annual meeting for the European Diploma in Regional Anesthesia and Acute Pain Therapy (EDRA); EDRA Chairman since 2016
- Since 2007 : Instructor in multiple national and international cadaver / hands on / ultrasound for regional anaesthesia workshops
- Since 2006 : More than 300 invited lectures at national and international congresses and meetings
- Since 2003: 1-2x / year ATLS Instructor for different courses in Switzerland

August 23<sup>rd</sup> 2019

A handwritten signature in black ink, appearing to read 'José A. Aguirre', written over a horizontal line.

PD Dr. med. José A. Aguirre, MSc