

Curriculum Vitae



Name: **PD Dr. med. Ingrid Sitte**
Adress: Medical University of Innsbruck
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ORCID ID: 0000-0001-5470-6015

Education

Medical study: 1979-1991 Leopold-Franzens-Universität (Innsbruck)
Dissertation: Über Mediatorfreisetzung von basophilen Leukozyten mittels kovalent an Polystyrol-Mikrotiterplatten gekoppelter Liganden (Ultrastrukturelle Studie)
Promotion: 30.11.91
Facharztausbildungsstelle University of Innsbruck (Traumatology):
1.7.1995-12.12.2001 **Facharztausbildung** (Traumatology)
Since 2000 **Lab Manager** Unfallchirurgisches Morphologisches Labor
01.04.2005 **Fachärztin** (Bezirkskrankenhaus Hall Unfallchirurgie)
01.10.2005 **Fachärztin** (Unfallchirurgie Innsbruck)
2006-2007 Helene Wastl Medizin-Mentoring-Programm
Mentorin: Prof. Dr. H. Piza
Since 2007 **Unfall Organisations-Managerin**

Stays abroad

1992 Chulalongkorn University Bangkok

2002 Iowa University: Prof. K. Moore (Prof. J. Buckwalter), Microscopy Facility, University of Iowa.

2003 Cardiff University - Prof. C. Archer: chondrozyten-separation

2004 Cardiff University – Prof. C. Archer: Immunochemistry (Notch – VEGF)

2005 Cardiff University (Prof. C. Archer) – Oswestry Center for Spinal Studies (Prof. S. Roberts)
Immunochemistry (PGP)

2010 Oxford University (Dr O. Boubriak): Chondrozyten – separation

2010 Cardiff University (Prof. C. Archer) – Oswestry Center for Spinal Studies (Prof. S. Roberts) cell-
culture

2010 Zürich Prof. B. Rechenberg project meeting

2013 Cardiff University (Prof. C. Archer) – Exeter University cooperation meeting

2016 Uppsala University (Prof. Y. Robinson/Prof. N. Hailer) Erasmus staff teaching

Membership

Cervical Spine Research Society

Reviewer:

1. Eur Spine J
2. J Orthop Res
3. J Anatomy
4. e Cells and Materials Journal

Awards:

Scientific Poster Award: Vienna Future Symposium 2004. Morphological changes in the traumatic injured cervical spine. Do chondrocytes die by necrosis after trauma? An ultrastructural study. Sitte I, Klosterhuber M, Blauth M, Kathrein A.

Wissenschaftspreis der Gesellschaft für Wirbelsäulen Chirurgie 2010

Best Paper Award 2010:

Sitte I, Kathrein A, Pfaller K, Pedross F, Roberts S. Intervertebral disc cell death in the porcine and human injured cervical spine following trauma: a histological and ultrastructural study. Spine 2009; 34(2): 131-40.

Grants (<https://orcid.org/0000-0001-5470-6015>)

Jubiläumsfondsprojekt Nr. 8590

Jubiläumsfondsprojekt Nr.10032

MFF Nr.195

MFF Nr. 250

Publications (<https://orcid.org/0000-0001-5470-6015>)

Conference Presentations:

I. Abstracts / talks

1. Stössel H, **Sitte I**, Kalchschmid G, Romani N, Fritsch P, Varga JM (1991): Generalized release of mediators by basophils and mastcells stimulated by ligands covalently attached to polystyrene surface. Eur J Cell Biol. Suppl 5; 88:31.
2. Kathrein A, Bölderl A, **Sitte I**, Rieger M (2002): Retropharyngealer Zugang und Resektion des Dens axis zur Dekompression des zervikalen Myelons. Eur J Trauma 28 (Suppl 1): 66.
3. **Sitte I**, Kathrein A, Pfaller K, Pedross F, Roberts S (2008): Morphological Changes of the Intervertebral Disc Cells in the Porcine and Human Injured Cervical Spine following Trauma. eCM IX 2008 Davos, Schweiz; Abstract online: eCM VIII 2008; 16 (Suppl 2):25.
4. **Sitte I**, Kathrein A, Huber B, Schmid R, Pedross F, Pfaller K, Roberts S (2009): (SP 46) Death of Intervertebral Disc Cells after Traumatic Injury to the Lower Cervical Spine: The Influence of Time and Degeneration. Eurospine Congress, Warsaw, Polen, Oktober 2009. Eur Spine J 18 (Suppl 4): 468-9.
5. **Sitte I**, Kathrein A, Pedross F, Pfaller K, Roberts S (2010): (76) Ultrastructural Differences in Intervertebral Disc Cell Morphology following Traumatic Injury or Disc Herniation in the Cervical Spine. Eurospine Congress, Vienna, September 2010. Eur Spine J 19 (Suppl 3): 271-2.
6. Sprecher CM, Arora R, Lutz M, **Sitte I**, Duda S, Blauth M, Milz S (2012): Resorption Characteristics of Chronos™ inject in metaphyseal bone defects caused by distal radius fracture. eCM VIII Davos, Schweiz, Juni 2012. Abstract online eCM J 24 (Suppl 1): 12.
7. **Sitte I**, Kathrein A, Klosterhuber M, Neururer SB, Lindtner RA, Kuhn V, Schmoelz W (2013): (P29) Death and Regeneration of Intervertebral Disc Cells after Compression Injury: A comparative Study of human and bovine intervertebral discs. 8. Jahrestagung DWG Frankfurt, Deutschland, Dezember 2013. Eur Spine J 22(11): 2624.
8. Kathrein A, **Sitte I**, Daniaux H (2001): Rückenmarksverletzungen bei Densfrakturen. 37. Jahrestagung der ÖGU, Salzburg, Österreich. September 2001. Kongressband.
9. **Sitte I**, Kathrein A, Klosterhuber M, Daniaux H, Blauth M, Morrigl B (2004): (SP 12) Time related Histological and Ultrastructural Changes in the Traumatic Injured Spine. Spineweek Porto, Portugal, Mai 2004. Kongressband.
10. Kathrein A, Waldegger M, Huber B, **Sitte I**, Schmid R, Blauth M, Daniaux H (2004): (SP 3) Transforaminal Approach and Interbody Fusion in Dorsolumbar Spine Fractures. Spineweek Porto, Portugal, Mai 2004. Kongressband.
11. **Sitte I**, Huber B, Blauth M, Kathrein A (2004): Verletzungen der unteren Bewegungssegmente an der menschlichen Halswirbelsäule: Posttraumatische Veränderungen in Histologie und Ultrastruktur. 68. Jahrestagung DGU-Kongress, Berlin, Deutschland, Oktober 2004. Kongressband.
12. **Sitte I**, Kathrein A, Blauth M (2004): Cervical Spine Injuries. Histopathological findings in the osteocartilaginous complex. 26th Congress S.I.T.E.M.S.H. Neustift, Österreich, Dezember 2004. Kongressband.
13. **Sitte I**, Kathrein A, Pedross F, Pfaller K, Archer C (2009): Disc Prolapse in Human Cervical Spine. An Ultrastructural Investigation. Global Spine Congress, San

Francisco, USA, Juni 2009. Kongressband.

14. **Sitte I**, Kathrein A, Schmid R, Pedross F, Pfaller K, Roberts S (2010): (B30.4) Cell Death in Intervertebral Discs after Traumatic Injury to the Lower Cervical Spine Depends on Stability and the Degree of Disc Degeneration. World Forum of Spine Research, Montreal, Canada, Juni 2010. Kongressband.
15. Lindtner RA, Tiaden AJ, Genelin K, Ebner HL, **Sitte I**, Klawitter M, von Rechenberg B, Blauth M, Richards PJ (2013): The Effects of Aminobisphosphonate In Vitro and In Vivo Treatment on the Osteogenic Capacity of Bone Marrow Stromal Cells from Senile Osteoporotic Hip Fracture Patients. 29th Annual Meeting of the Orthopaedic Trauma Association, Phoenix, Arizona, USA, Oktober 2013. Kongressband.
16. Lindtner RA, Tiaden AN, Genelin K, Ebner HL, **Sitte I**, Blauth M, von Rechenberg B, Richards PJ (2013): (GR14-667) In vitro und ex vivo Effekt von Bisphosphonaten auf das osteogene Differenzierungspotential mesenchymaler Stammzellen osteoporotischer Hüftfrakturpatienten. Deutscher Kongress für Orthopädie und Unfallchirurgie, Berlin, Deutschland, Oktober 2013. Kongressband.
17. **Sitte I**, Klosterhuber M, Lindtner RA, Neururer SB, Kathrein A (2019) Morphological changes in the intervertebral disc post trauma: any impact of preexisting segment degeneration? Abstract 2019 CSRS-Europe Annual Meeting (Rome, Italy) (ID 011)
18. **Sitte I**, Klosterhuber M, Lindtner RA, Neururer SB, Kathrein A (2020) Intervertebral disc cells of the degenerated cervical spine and lumbar spine with prolapse in cell culture: differences in cell morphology and expression of pro-inflammatory and pro-apoptotic proteins? Abstract 2020 CSRS-Europe Annual Meeting (Paris, France) (ID 011)

Invited talk:

1. **Sitte I** (2003): Disc Cell: Life and Death after Trauma. Back to back meeting, University of Exeter, Exeter, UK, Oktober 2003.
2. **Sitte I** (2005): Cervical Spine Injuries: Histopathological findings in the osteocartilaginous complex. Back to back meeting, University of Oxford, Oxford, UK, November 2005.
3. **Sitte I** (2013): Induction of different disc cell morphologies in human and in animal models: A comparative Study of human, bovine and mouse intervertebral discs. Back to back meeting, University of Exeter, Exeter, UK, November 2013.

Poster

1. Huber B, Kathrein A, Waldegger M, Klestil T, **Sitte I** (1998): Ausbildung eines fibrösen metaphysären Defektes nach supramalleolärer Unterschenkelfraktur. Acta Chir Austriaca Suppl 143: 19-20.
2. Smekal V, Kathrein A, Waldegger M, Bölderl A, **Sitte I**, Kralinger F, Gadner K (2000): Ergebnisse operativ versorgter Kombinationsverletzungen von Tibiakopf und –schaft in einem Zehnjahreszeitraum. Acta Chir Austriaca 32 Suppl 161:45-48.
3. **Sitte I**, Klosterhuber M, Blauth M, Kathrein A (2003): (P 7) Morphological changes in the traumatic injured cervical spine. Do chondrocytes die by necrosis after trauma? An ultrastructural work. Eurospine Congress Prag, Tschechien, September 2003. Eur Spine J 12 (Suppl1) ; 1: 31.
4. Kathrein A, Waldegger M, Daniaux H, Lang T, Seykora P, Huber B, **Sitte I**, Schmid R, Blauth M (2003): (P78) Plif technique in the thoracolumbal spine fractures: An Alternative to combined procedures. Eurospine Congress Prag, Tschechien, September 2003. Eur Spine J 12 (Suppl1); 1: 56-57.

5. Kathrein A, Daniaux H, Seykora P, Huber B, Waldegger M, Schmid R, Blauth M, **Sitte I** (2004): (P 498) Spinal Cord Injuries in Odontoid Fractures. Spineweek Porto, Portugal, Mai 2004. Kongressband.
6. **Sitte I**, Kathrein A, Klosterhuber M, Archer C, Dowthwaite CP (2005): Notch 1 expression as a sign for proliferation in Anulus Fibrosus after Trauma of the Cervical Spine? An histological, immunohistological and ultrastructural study. eCM VI Davos, Schweiz, Juni 2005. Abstract online: eCM VI 2005; 10.
7. Lindtner RA, Tiaden A, Genelin K, Ebner H, Manzl C, Klawitter M, **Sitte I**, von Rechenberg B, Blauth M, Richards PJ (2013): Osteoanabolic Effect of Alendronate and Zoledronate on Bone Marrow Stromal Cells (BMSCs) Isolated from Senile Osteoporotic Patients and its Implications for their Mode of Action in the Treatment of Age-related Bone Loss. Annual Meeting of the American Society for Bone and Mineral Research, Baltimore, USA, October 2013. J Bone Miner Res 28 (Suppl 1).
8. **Sitte I**, Jones P, Trivedi J, Roberts S (2011): (ST 2) Cell death of intervertebral disc cells. The Influence of species and environmental factors. ISSLS, Goteburg Schweden, Juni 2011. Kongressband.
9. **Sitte I**, Meier O, Zenner J, Ferraris L, Pedross F, Hempfing A, Koller H (2011): Ultrastructural differences in intervertebral disc cell morphology on the concave and convex side in Idiopathic Scoliosis patients in idiopathic scoliosis patients. 6. Jahrestagung DWG, Hamburg, Deutschland, November 2011. Eur Spine J 20(11): 2049-50.
10. **Sitte I**, Meier O, Zenner J, Ferraris L, Hempfing A, Koller H (2011): (P 553) Ultrastructural differences in intervertebral disc cell morphology in idiopathic scoliosis patients. IMAST (SRS), Kopenhagen, Dänemark, September 2011. Kongressband.
11. **Sitte I**, Klosterhuber M, Kuhn V, Lindtner RA, Vietor I, Kathrein A (2013): Evidence of balloon cells in lumbar spine disc herniation. Preliminary results of patients versus SPARC null mice. eCM XV Davos, Schweiz, Juni 2014. Abstract online eCM XV 2014; 18 (Suppl 2): 68.
12. **Sitte I**, Klosterhuber M, Lindtner RA, Neururer SB, Freund MC, Pfaller K, Kathrein A (2016) Morphological response of the intervertebral disc and its cells to post-traumatic clinical instability in the cervical spine. Abstract 2017 CSRS-Europe Annual Meeting Salzburg (Austria) (P173).
13. **Sitte I**, Klosterhuber M, Vietor I, Sopper S, Fiegl H, Neururer SB, Lindtner RA, Kathrein A, Roberts S (2017) Preliminary results of the influence of trauma and degeneration on the presence of SPARC and ultrastructure of cervical intervertebral disc cells and tissues. Abstract 2017 CSRS-Europe Annual Meeting, Salzburg (Austria)(P172).
14. Kathrein A, **Sitte I** (2017) Medullary Lesions in Odontoid Fractures. Abstract 2017 CSRS-Europe Annual Meeting Salzburg (Austria) (P164).
15. Kathrein A, Rudisch A, **Sitte I** (2017) The Value of Magnetic Resonance Tomography in Cervical Spine Trauma. Abstract 2017 CSRS-Europe Annual Meeting Salzburg (Austria) (P125).
16. **Sitte I**, Klosterhuber M, Vietor I, Lindtner RA, Neururer SB, Kathrein A (2018) Disc cells of the cervical spine post trauma in cell culture: analysis of cell morphology and pro-inflammatory and pro-apoptotic proteins. Abstract 2018 CSRS-Europe Annual Meeting (Lisbon, Portugal) (P8)
17. **Sitte I**, Klosterhuber M, Vietor I, Sopper S, Lindtner RA, Neururer SB, Kathrein A (2018) Intervertebral disc cells of the degenerated cervical spine with prolapse or protrusion in cell culture: analysis of cell morphology and expression of pro-inflammatory and pro-apoptotic proteins. Abstract 2018 CSRS-Europe Annual Meeting (Lisbon, Portugal) (P9)