



## FACULTY

- H. Badakhshi**, Berlin, Germany
- B. Dahl**, Copenhagen, Denmark
- A. C. Disch**, Dresden, Germany
- M. Fehlings**, Toronto, Canada
- B. Gebauer**, Berlin, Germany
- A. Grün**, Berlin, Germany
- C. E. Heyde**, Leipzig, Germany
- L. Hofbauer**, Dresden, Germany
- N. Kawahara**, Kanazawa, Japan
- J. Kotzerke**, Dresden, Germany
- A. Kunitz**, Berlin, Germany
- U. Liljenqvist**, Munster, Germany
- A. Luzzati**, Milan, Italy
- C. Mazel**, Paris, France
- A. Nerlich**, Munich, Germany
- G. Puhl**, Hamburg, Germany
- J. Reynolds**, Oxford, UK
- P. Rose**, Rochester, USA
- M. Ruf**, Karlsbad, Germany
- G. Schackert**, Dresden, Germany
- K.-D. Schaser**, Dresden, Germany
- M. Skalej**, Magdeburg, Germany
- F. Streitparth**, Berlin, Germany
- M. Synowitz**, Kiel, Germany
- K. Tomita**, Kanazawa, Japan
- E. Troost**, Dresden, Germany
- P. P. Varga**, Budapest, Hungary
- J. J. Verlaan**, Utrecht, The Netherlands
- T. Welsch**, Dresden, Germany



## GENERAL INFORMATION

### VENUE

Hilton Dresden  
An der Frauenkirche 5  
01067 Dresden, Germany  
www.hiltonhotels.de/deutschland/hilton-dresden

### DATE

April 8–9, 2016

### SCIENTIFIC PROGRAM COMMITTEE

Prof. Dr. med. Klaus-Dieter Schaser  
PD Dr. med. Alexander C. Disch  
Universitätsklinikum Carl Gustav Carus Dresden  
University Centre for Orthopaedics & Trauma Surgery

### CONFERENCE WEBSITE

www.spine-tumor.com

### REGISTRATION FEES

#### Conference program

Full Delegate Registration.....	325 €
Student day ticket April 8, 2016 .....	125 €
Student day ticket April 9, 2016.....	125 €
Regular day ticket April 8, 2016.....	225 €
Regular day ticket April 9, 2016.....	225 €

### Social program

Symposium dinner April 8, 2016 for Participants .....	15 €
Symposium dinner April 8, 2016 for Accompanying person.....	50 €

### CERTIFICATION

The 4th International Spine Tumor Days are certified by the Medical Chamber Saxonia as follows:  
April 8, 2016 Category A 8 points  
April 9, 2016 Category A 4 points

### CONFERENCE LANGUAGE

The official congress language will be English.

### JOURNEY

From Dresden Klotzsche Airport please follow the signs for city center ("Zentrum"), then go over Carola Brücke Bridge. Turn left at first traffic lights and follow signs to the Hilton Dresden hotel. If you are using a GPS device, please use "Brühlsche Gasse" as your destination.

### For any further information or help please contact:

**Conference Organisation**  
Conventus Congressmanagement & Marketing GmbH  
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## SPONSORS & EXHIBITORS

A big Thank You to the current sponsors, exhibitors and partners, without whom we would not be able to organize the **4th INTERNATIONAL SPINE TUMOR DAYS** in such a high quality.

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## DESCRIPTION OF THE MEETING

Multidisciplinary treatment of cancer was introduced and endorsed to ensure that care delivery is consistent with best available evidence. This becomes in particular evident for the therapy of primary and secondary spinal tumors as a treatment planning should be guided by a core team of oncologists, radiooncologists and spinal surgeons. Interdisciplinary concepts for musculoskeletal tumors are not new and tumor/sarcoma boards for the management of primary and secondary spinal tumors as a collaborative decision-making platform have existed for decades. However, multidisciplinary forums to share knowledge and make collective evidence-based recommendations particularly in spinal oncology were rare and lately show a growing acceptance. Given the complex nature of spinal anatomy some tumors are either thought to be non-resectable or target volumes near and around the spinal cord are difficult to treat by radiotherapy. The adherence to evidence-based guidelines is often complicated by the rarity of spinal sarcomas and the paucity of associated high-quality studies for spinal metastatic disease occasionally resulting in either overtreatment or therapeutic resignation. There are also concerns over lack of supportive data that demonstrate sustained surveillance and reveal sufficient informations about acceptable morbidity and quality of life following surgical/radiation/oncological treatment.

The multidisciplinary series of lectures aim to provide in-depth informations about diagnostic imaging, interventional, radiation and surgical treatment options. The different sessions are expected to facilitate information exchange, streamline management strategies and break down communication barriers between different specialists.

After the great success of the 3<sup>rd</sup> Spine Tumor Days 2013 in Berlin we have the great pleasure to announce the **4th INTERNATIONAL SPINE TUMOR DAYS** held at the 8<sup>th</sup> to 9<sup>th</sup> of April 2016 in the new place Dresden with the topic:

### "Multidisciplinary management of spinal tumors"

The scope of this international two day symposium is stimulation of information exchange on current multidisciplinary diagnostic and therapeutic approaches for primary and secondary spinal tumors.

Looking forward to meeting you in Dresden,

Sincerely,

K. D. Schaser

A. C. Disch

## 4<sup>TH</sup> INTERNATIONAL SPINE TUMOR DAYS

April 8–9, 2016  
Hilton Dresden

### Multidisciplinary Treatment of Spinal Tumors



Universitätsklinikum Carl Gustav Carus  
University Centre for Orthopaedics  
& Trauma Surgery





# FRIDAY, APRIL 8<sup>TH</sup>

TOPIC	FACULTY/ SPEAKER	TIME (+ discussion)
Registration		7:30
Welcome – 4 <sup>th</sup> International Spine Tumor Days	Schaser/ Disch	8:35 10 min
<b>Session I Diagnostic imaging and interventional radiology</b> Moderators: Disch/Gebauer		
<i>"Forever in debt to your priceless advice"</i> Nirvana, <i>Heart Shaped Box</i> Radiological imaging of primary and secondary spine tumors	Gebauer	8:45 10 + 5 min
<i>"We see things they'll never see..."</i> Oasis, <i>Live Forever</i> Molecular Imaging of spinal tumors: Role of PET in assessment of metabolic activity and treatment response.	Kotzerke	9:00 10 + 5 min
<i>"Please don't look too close to me. You might not like what you see"</i> Red Hot Chili Peppers, <i>Warped</i> Quantitative In-Vivo Assessment of fusion by 18F-Natriumfluorid PET/CT following En-Bloc Spondylectomy	Disch	9:15 10 + 5 min
<i>"I'm worst at what I do best and for this gift I feel blessed."</i> Nirvana, <i>Smells Like Teen Spirit</i> Embolization of spinal tumors: When, how and which technique?	Streitparth	9:30 10 + 5 min
Coffee Break		9:45 – 10:10
<b>Session II Surgery I – Approaches and Resection techniques</b> Moderators: Varga/Schackert		
<i>"I play Russian roulette everyday with a bullet called life"</i> System of a Down, <i>Sugar</i> Excision of tumors/metastases around the craniovertebral junction	Ruf	10:10 10 + 5 min
<i>"Help! I need somebody, not just anybody..."</i> The Beatles, <i>Help</i> Role of vascular surgeon for thoracolumbar en bloc excisions	Puhl	10:25 10 + 5 min
<i>"Have you ever been experienced"</i> Jimi Hendrix, <i>Are You Experienced</i> Resection of intradural tumors: Technique and Outcome	Synowitz	10:40 10 + 5 min
<i>"You can pay for school, but you can't buy class"</i> Jay-Z, <i>Swagger like us</i> Resection of visceral/ abdominal tumors involving the pelvis/axial skeleton	Welsch	10:55 10 + 5 min
<i>"Keep your eyes on the road, your hands upon the wheel"</i> The Doors, <i>Roadhouse Blues</i> What's new in sacral tumor resection techniques?	Varga	11:10 10 + 5 min
Coffee Break		11:25 – 11:45

## Session III Systemic Therapy

Moderators: Schaser/Verlaan

<i>„Sit and wait and all will be revealed“</i> Led Zeppelin, <i>Kashmir</i> Common strategies of polychemotherapy for primary spinal tumors	Kunitz	11:45 10 + 5 min
<i>"The waiting is the hardest part"</i> Tom Petty, <i>The Waiting</i> Role of RANKL, Denosumab and Bisphosphonates for treatment of giant cell tumors	Kunitz	12:00 10 + 5 min
<i>„What a drag it is getting old“</i> The Rolling Stones, <i>Mother's Little Helper</i> Osteoporosis in cancer patients: treatment options?	Hofbauer	12:15 10 + 5 min
<b>Key note lecture:</b> <i>„My life style determines my death style“</i> Metallica, <i>Frantic</i> Paleopathology of human axial skeleton	Nerlich	12:30 25 + 5 min
Lunch Break		13:00 – 14:00

## Session IV Radiooncology

Moderators: Rose/Troost

<i>„Uncertainty can be a guiding light“</i> U2, <i>Zooropa</i> Treatment of "solitary" spinal metastases: – pro radiation – pro surgery	Badakhshi Schaser	8 + 2 min 8 + 2 min
<i>"I'd rather be a hammer than a nail"</i> Simon & Garfunkel, <i>El Condor Pasa</i> Indications and limitations of proton radiotherapy for spinal tumors	Troost	14:20 10 + 5 min
<i>"It's better to burn out, than to fade away"</i> Neil Young, <i>My My, Hey Hey</i> Bipolar radiofrequency ablation of spinal tumors: predictability, safety and outcome	Skalej	14:35 10 + 5 min
<i>„The brightest flame burns quickest“</i> Metallica, <i>Mama Said</i> Spinal radiosurgery with Cyberknife	Grün	14:50 10 + 5 min
<i>„There's no success like failure, and failure's no success at all"</i> Bob Dylan, <i>Love Minus Zero (No Limit)</i> Radiotherapy Failure in higher SINS Scores	Verlaan	15:05 10 + 5 min
Coffee Break		15:20 – 15:45

## Session V: Abstract session "I'm learning to fly, but I ain't got wings, coming down is the hardest thing" Tom Petty, Learning To Fly

Moderators: Kawahara/Dahl

A1: Endovascular selective embolization of tumor feeding vessels as a method of choice for non-resectable tumors of the spine	Baskov	15:45 – 17:15 4 + 1 min
A2: Surgical management of an unusual scoliosis case due to an intramedullary tumor	Bernstein	4 + 1 min

A3: Surgical treatment of NSCLC invading the spine	Erol	4 + 1 min
A4: Delayed pneumocephalus with acute epileptic seizure: a strange complication following multi-segmental en bloc spondylectomy	Druschel	4 + 1 min
A5: Targeted-Radiofrequency-Ablation (t-RFA): a new treatment option for spinal metastases	Gahr	4 + 1 min
A6: Pain reduction in palliative spinal surgery through targeted radiofrequency tumor ablation	Müller-Broich	4 + 1 min
A7: Intraoperative radiotherapy combined with kyphoplasty (Kypho –IORT) for the treatment of spinal metastases	Bludau	4 + 1 min
A8: Detection of circulating tumor cells after cement augmentation of vertebral metastases	Mohme	4 + 1 min
A9: Surgical treatment of aneurismatic bone cysts of the juvenile spine	Heyde	4 + 1 min
A10: Spinal subependymoma: recurrence of benign intramedullary tumor	Hertle	4 + 1 min
A11: Surgical morbidity of spinal tumors	Klekamp	4 + 1 min
A12: The use of pre-operative embolization in patients with spinal tumors	Klimov	4 + 1 min
A13: Cancer of unknown primary of the 1 <sup>st</sup> lumbar vertebra with an improbable course	Ottensbacher	4 + 1 min
A14: Aggressive vertebral hemangiomas with neurological impairment, report of 21 cases and with special reference to pVCR	Rahimi-zadeh	4 + 1 min
A15: Intradural intramedullary mixed type hemangioma: optimizing the surgical management through intraoperative neurophysiological monitoring	Rahyus-salim	4 + 1 min
A16: Intradural spinal cord tumors in Padang, Indonesia	Sahputra	4 + 1 min
A17: Outcome after gross-total resection of spinal intramedullary ependymomas	Massoud	4 + 1 min
A18: Giant cell tumor of the thoracic spine misdiagnosed as hemangioma	Zhongju	4 + 1 min
Dinner		19:30



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# SATURDAY, APRIL 9<sup>TH</sup>

## Session VI Surgery II – Reconstruction and fixation options

Moderators: Liljenqvist/Mazel

<i>„Scar tissue the I wish you saw, Sarcastic mister know it all“</i> Red Hot Chili Peppers, <i>Californication</i> Options and strategies in revision spine tumor surgery	Disch/Schaser	9:00 10 + 5 min
<i>"When you got nothing, you got nothing to lose"</i> Bob Dylan, <i>Like A Rolling Stone</i> Oncological and prognostic value meets surgical feasibility: Borderline indications for spinal sarcoma resection	Luzatti	9:15 10 + 5 min
<i>"All in all, you're just another brick in the wall"</i> Pink Floyd, <i>Another Brick In The Wall</i> Biological reconstructions in immune compromised patients	Reynolds	9:30 10 + 5 min
<i>"A rebel without a clue?"</i> Tom Petty, <i>Into The Great Wide Open</i> Wide resections and spino-pelvic fixations around the lumbosacral junction	Rose	9:45 10 + 5 min
<b>Key note lecture:</b> <i>"Sometimes the truth is stranger than fiction"</i> Bad Religion, <i>Stranger Than Fiction</i> If I could start over, here's what I'd do differently – a rather personal view on spine tumor surgery	Tomita	10:00 25 + 5 min
Coffee Break		10:30 – 11:00

## Session VII Morbidity & Outcome

Moderators: Fehlings/Heyde

<i>"Destruction leads to a very rough road, but it also breeds creation"</i> Red Hot Chili Peppers, <i>Californication</i> Current concepts and outcome for patients with symptomatic spinal cord compression due to metastatic spine disease	Fehlings	11:00 10 + 5 min
<i>"Act your age and not your shoe size".</i> Prince, <i>Kiss</i> Is advanced age a contraindication for metastatic spine tumor surgery?	Mazel	11:15 10 + 5 min
<i>"This is a message from Futura. Don't prophesize the future".</i> The Clash, <i>Overpowered By Funk</i> Quality of Life following en-bloc excision surgery	Kawahara	11:30 10 + 5 min
<i>"The words of the prophets are written on the subway walls"</i> Simon and Garfunkel, <i>The Sound Of Silence</i> Morbidity and mortality of complex spine tumor surgery.	Dahl	11:45 10 + 5 min

**Summary & Farewell** "Dresden calling" – announcement of the 5<sup>th</sup> ISTD

**End of the meeting**

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