# Programme

**ZiF Workshop**

Neurolaw: Ways forward for Neuroscience, Justice & Security

Conveners: Dr. Dave van Toor (Bielefeld University, GER / Utrecht University, NED)  
Dr. Thomas Douglas (Oxford University, GBR)  
Prof. Dr. Tijs Kooijmans (Tilburg University, NED)  
Prof. Dr. Gerben Meynen (Utrecht University, NED)

25 – 26 November 2019

## Monday – 25 November

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>09:00</td>
<td>Welcome Address by Dr. Britta Padberg (Managing director of ZiF)</td>
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<td>09:10 – 09:30</td>
<td>Opening statement by Prof. Dr. Michael Lindemann (Bielefeld University)</td>
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### Reliability of techniques in light of rules of evidence

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<tr>
<td>09:30 – 12:45</td>
<td>The reliability of neuroscientific technologies and normative legal rules</td>
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| @ 09:30 | - Possibilities and limitations of brain imaging in forensic psychiatry  
         |   Prof. Dr. David Linden                                                 |
| @ 10:15 | - Inferential reasoning: from research question to conclusion, and from conclusion to evidence?  
         |   Dr. Pim Haselager & Dr. Dave van Toor                                |

15 min.  

- Coffee & tea break –

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| @ 11:15 | - Neurolaw and Responsibility for Action                               
         |   Prof. Dr. Bebhinn Donnelly-Lazarov                                   |
| @ 12:00 | - Claims of lack of capacity for control as a partial defence to murder 
         |   Dr. Paul Catley and Dr. Lisa Claydon                               |

12:45 – 13:30  

- Lunch –
13:30 – 17:00  **Neuroscience in court: mind-reading and interpretation**

@ 13:30  - Developments in brain lie detection and memory detection: a (neuro)psychological and legal perspective
   *Dr. Ewout Meijer and Dr. Dave van Toor*

@ 14:15  - Privacy and neurotechnologies: Need for new regulations?
   *Dr. Christoph Bublitz*

30 min  – *Coffee, tea & cake break* –

@ 15:30  - Criminal responsibility and neuroscience: do we need to reconceptualize legal doctrine
   *Prof. Dr. David Roef*

@ 16:15  - Criminal law and neuroscience: Possibilities and perils
   *Prof. Dr. Tijs Kooijmans & Prof. Dr. Gerben Meynen*

18:00  – *Dinner at ZiF* –

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**Tuesday – 26 November**

09:00 – 12:00  **Application in forensic psychiatry: rehabilitation, diagnostic and prevention**

09:00 – 12:00  **Neuroscience, forensic diagnostics and legal insanity: interpretation and coercion**

@ 09:00  - Direct brain interventions in criminal rehabilitation
   *Dr. Lisa Forsberg*

@ 09:45  - Reading brains using fMRI and machine learning: Where are we, where are we going?
   *Prof. Dr. rer. Nat. John-Dylan Haynes*

15 min.  – *Coffee & tea break* –

@ 10:45  - Neuroscience in forensic psychiatry: Ethical and legal implications of using neuroscience for dangerousness assessments
   *Dr. Georgia Gkotsi*

@ 11:30  - Basic neurobiological measures in criminological research & NeuroLabNL
   *Dr. Katy de Kogel*

12:15 – 13:00  – *Lunch* –
Neuroscience, criminal behavior and prevention

13:00 – 13:45  -  Neurointerventions between retributivism and consequentialism in law
        Dr. Andrea Lavazza

@13:45  Concluding remarks

- End of the workshop -