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## SCOPE Workshop – November 14th Key questions for each session

### Session 1: Natural History SCI

Chair: Lammertse

- What is the degree and extent of spontaneous neurological recovery after SCI?
- What are the expected functional capacities for different levels of SCI?

### Session 2: Preclinical SCI Translation

Chair: Kleitman

- What animal model tests will be predictive of human outcomes for SCI?
- What are the current models, their strengths and limitations?
- When is preclinical evidence sufficient to justify human testing?
- Are we using a common language for safety/toxicology, good lab practices, etc.?

### Session 3: SCI Outcome Tools

Chair: Alexander

- Since recovery near the level of injury (i.e. within the zone of injury) may involve different mechanisms than recovery below the zone of injury, do we need separate motor/sensory and other outcome measures for each possibility?
- What are the outcome goals for different phases of a clinical trial program and which outcome measures are currently most useful?
- When are SCI-specific measures of biological activity, functional improvement, quality of life, preferable to generic measures?
- What aspects of quality of life are most salient to clinical trials, population screening, and outcome monitoring?
- What is our capacity to detect improvement in voluntary control of autonomic functions after SCI?

#### Session 4: SCI Clinical Endpoints

Chair: Blight

- When are surrogate outcome measures of value?
- What are the relative value of global functional outcome tools versus specific functional outcome tests?
- What types of trial design are most appropriate for SCI studies?
- How do we establish accurate clinical endpoints to identify a meaningful clinically important difference?

#### Session 5: Adverse Events

Chair: Biering-Sorensen

- What adverse events or (dys)functions are most important to track in a SCI clinical trial?
- What are the strengths and limitations of current International Data Sets?
- What other tools would be helpful?

#### Session 6: Confounding Factors

Chair: Amie Jackson

- What confounding factors distort the accurate interpretation of trial findings?
- Following SCI does an “enriched activity environment” promote recovery and function?
- What part does “rehabilitation” play in plasticity and recovery—with or without an intervention?