



## Get Up Stand Up to Cure Paralysis Foundation

### MN Spinal Cord & Brain Injury Research Grant Act

We are requesting an \$8 million dollar annual appropriation from the state budget as an economic development plan to fund innovative research towards deliverable therapies for the functional improvements of those living with Spinal Cord Injury (SCI) and Traumatic Brain Injury (TBI). This effort is inspired by the recent and significant advances in the field, along with the challenges faced by over 10,500 people living with paralysis in MN.



#### WHY?

- We believe that current market forces are not sufficient to respond to the recent research breakthroughs.
- **The NIH funds only 10% of all applications.** As the major source of funding for medical innovation this leaves many excellent inquiries unfunded
- Research spending in this field has primarily been for continuing care and rehab, not for strategies to deliver functional improvement. Considering the **enormous costs of care** for those living with SCI/TBI, these priorities are out of alignment.
- **Lifetime costs of care for individuals range from \$1.5 to \$4.6 million**
- **Annual costs of care for SCI in MN is a little over \$520 million while the exact numbers for TBI are not currently known...** though **110,500 Minnesotans living with a disability from SCI/TBI** (MDH)
- Treatments involving devices and regeneration for SCI / TBI are emerging from the states where it is being funded. Why not here?

Cancer	\$7,000
HIV/ AIDS	\$3,000
SCI	\$94
TBI	\$88

#### WHAT'S THE RETURN ON INVESTMENT?

- This investment would create jobs and attract highly trained neuroscientists and researchers to Minnesota and into the field of neuroregeneration.
- There is a strong correlation for state funded programs to attract increased NIH funds. For example, **California generated \$15 million in state funds, which leveraged \$86 million in NIH federal funds**, over several years.
- The grant program would push research forward by providing seed money for therapeutic innovations, **novel medical devices** and needed funds to drive **existing lab research** to clinical trial and onto industry for treatments, **resulting in bio-tech spin-offs**.
- By moving the research to clinic, MN would see an enormous **reduction in the costs of care** for those afflicted with injury. Any improvement below the level of injury, or recovery of breathing/ bowel/bladder/sexual function would have a significant impact upon the quality of life.
- Support **MN's legacy as a world leader in medical innovation, and medical devices** as we move closer to deliverable treatments for SCI and TBI.

#### Sources

<http://www.spinalcord.uab.edu> ; [http://report.nih.gov/categorical\\_spending.aspx](http://report.nih.gov/categorical_spending.aspx)  
[http://www.christopherreeve.org/site/c.mtKZKgMWKwG/b.5184189/k.5587/Paralysis\\_Facts\\_Figures.htm](http://www.christopherreeve.org/site/c.mtKZKgMWKwG/b.5184189/k.5587/Paralysis_Facts_Figures.htm)

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