

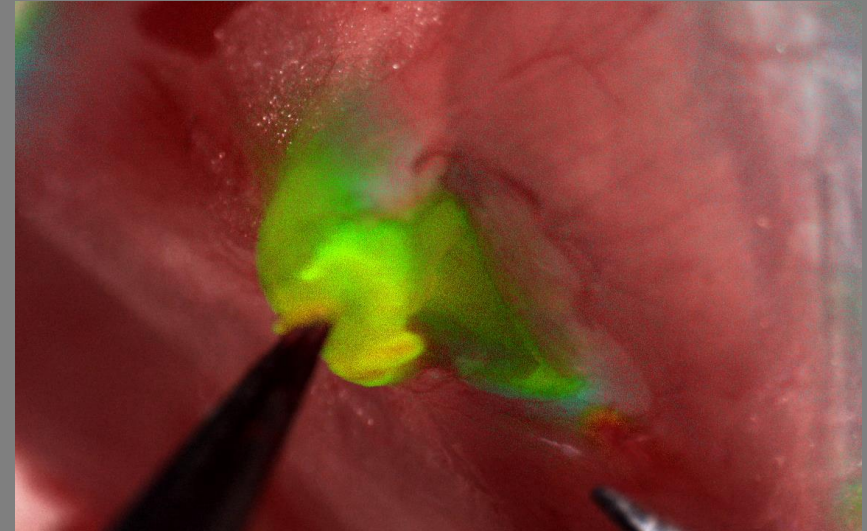
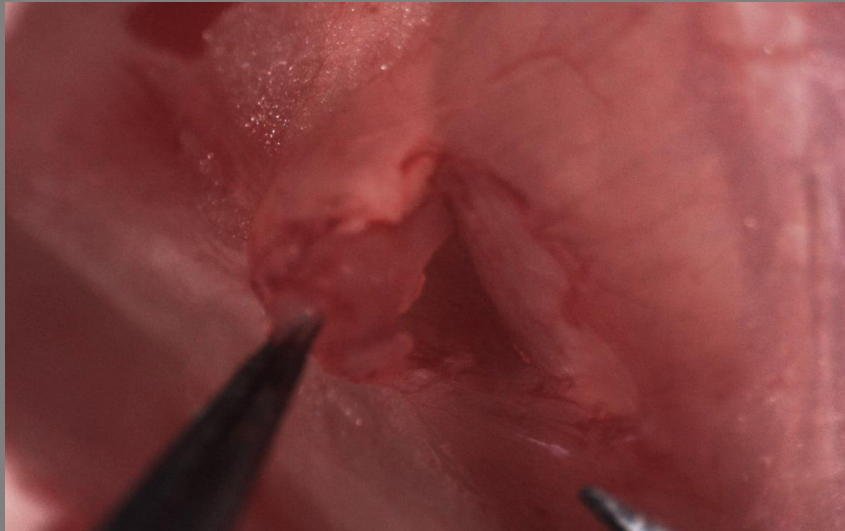


# Injectable Peptides for Intraoperative Nerve Visualization and Preservation

Quyen T. Nguyen MD/PhD  
Associate Professor of Surgery

Disclosure: Scientific founder and advisor to Avelas Biosciences

# Unmet need to improve intraoperative visualization of tumors

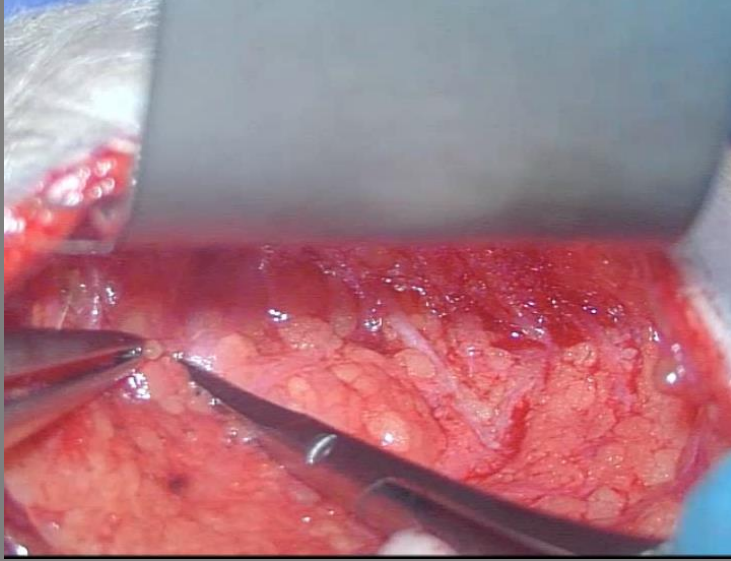


RACPP developed  
Jiang et al PNAS 2004  
Nguyen et al PNAS 2010

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AVB620 (NCT02391194)

# Unmet need to improve intraoperative visualization of nerves

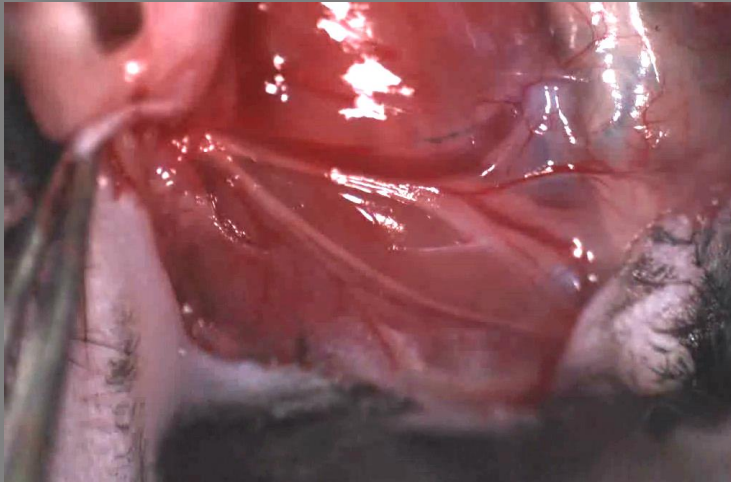
Facial nerve dissection in 42yoF



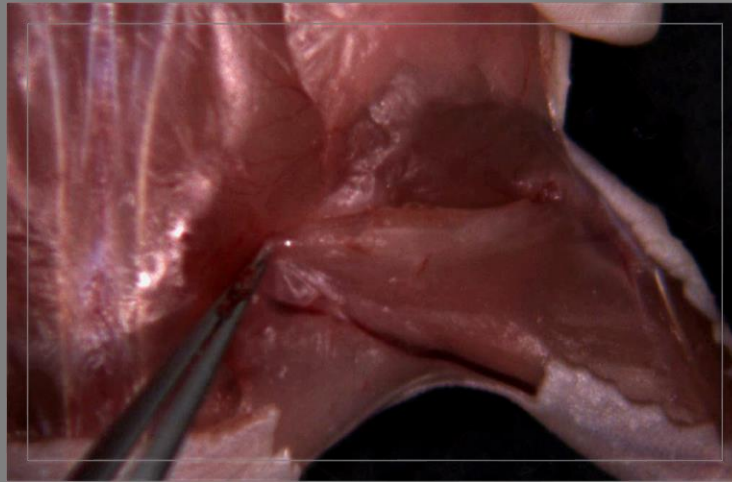
NVB dissection in 59yoM



Facial nerve dissection in rodent



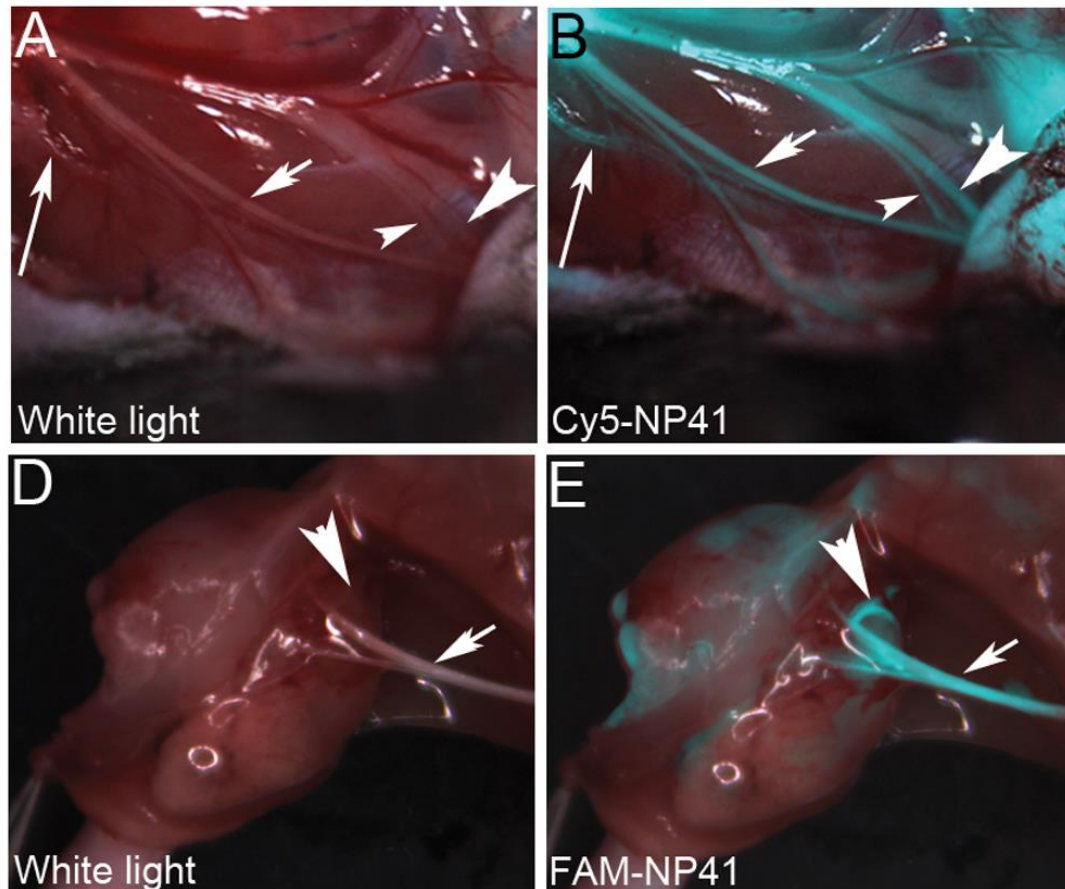
Sciatic nerve dissection in rodent





# Nerve illumination peptide developed

## Clinical translation ongoing

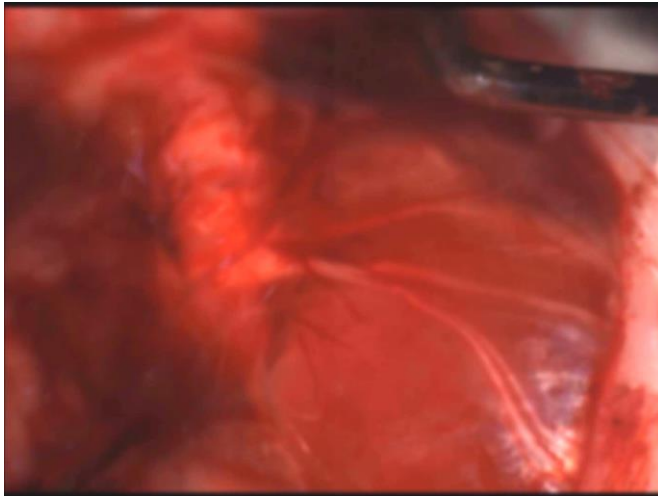


Patents: US20120148499,  
WO2010121023A3  
Whitney et al Nat Biotech 2011

Hingorani et al, in preparation 2017

# Nerve illumination peptide developed

## Clinical translation ongoing



## Addressing Unmet Needs

(number of surgeries in US/year)

1. Urinary Systems >1M /year
2. Ear Surgery >399K/year
3. Facelift/Facial Nerve Cancer >100K/year
4. Thyroid/Parathyroid Surgery >80K/year
5. Axillary Lymph Node Surgery (breast cancer)
6. Cervical neck dissection (head and neck cancer)
7. Spinal Surgery
8. Repair of traumatic nerve injury/amputation

**Total: >1.5M /year**

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Sunil Advani, MD  
Chris Kane, MD  
Christina Jamieson, PhD  
Shaochen Chen PhD

Trey Ideker, PhD  
Ezra Cohen, MD  
Michael Bouvet, MD  
Bob Mattrey, MD  
Todd Coleman, PhD  
Miriam Scadeng MD  
Lesley Ellies PhD

**Students and postdocs:** Joe Acevedo, Courtni Salinas, William Moss, Aaron Lemieux, Sharat Raju

**Project Scientists** Mike Whitney, PhD Stephen Adams, PhD Paul Steinbach

**Past members:** Linda Nguyen, MD, Samantha Hauff, MD, Timon Hussain, MD Ryan Orosco, MD

Jung Geun Gwon, MD Bonnie Vorasubin, MD Amy Wu, MD Jasper Shen, MD Fred Baik, MD Melina Mastrodimos, Rachy Levin