

SAMPLE

Research Scientist

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# STEVEN P. JONES

## Biomedical Engineering PhD with 6 years' experience in synthetic biomaterials development

- Expertise in Biomanufacturing and Bacterial Fermentation
- 3 years' experience in Transmission Electron Microscopy
- Project Management: Led 4 teams to achieve deliverables within deadlines

## EDUCATION

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**PH.D., BIOENGINEERING** – University of Utah, Salt Lake City, UT      GPA: 3.9      December 2019  
*Dissertation:* Developed hepatocellular carcinoma embolic agent using recombinant silk-elastinlike protein polymers  
*Certificates:* Nanotechnology, Engineering Entrepreneurship

**B.S., MATERIALS ENGINEERING** – Purdue University, West Lafayette, IN      GPA: 3.4      May 2014  
**Minors: BIOLOGY, CHEMISTRY**  
*Capstone Project:* Mid-scale bacterial and yeast fermentation for food engineering applications

## TECHNICAL SKILLS

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TEM	HPLC	MS	XRD	AFM	PCR
SEM	TGA	IR	NMR	DSC	GC

## EXPERIENCE

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**POSTDOCTORAL RESEARCH FELLOW** – Rhodes Lab, Rice University, Houston TX      July 2018 – May 2022

- Designed protocols that significantly enhanced the the productivity and efficacy of the research process.
- Designed project reporting system that coordinated accountability data and reporting.
- Collaborated on 3 projects with technicians and visiting academic and industry researchers.

**GRADUATE RESEARCHER** – Biomedical Engineering, University of Utah      August 2014 – June 2018

- Designed a liquid-to-solid transitioning embolic for the treatment of hepatocellular carcinoma.
- Collaborated with commercial entities for scale-up / manufacturing of embolic technologies.

**PROJECT MANAGEMENT INTERN** – Merit Medical, South Jordan UT      May 2018 – August 2018

- Directed 6 main company projects involving all stages of product development.
- Communicated with all levels of the organization to ensure compliance throughout projects.
- Oversaw the transition to a new supplier, including procurement and regulation (FDA).

**FERMENTATION TECHNICIAN** – Biology, Purdue University, Lafaette IN      August 2013 – May 2014

- Ran 20+ successful fermentations involving differing strains of bacteria and yeast.
- Trained 2 new technicians to ensue successful knowledge and skills transfer.

**TELLER** – Ruby's Bank, Carmel IN      January 2012 – August 2013

- Developed new procedures for financial tracking of business accounts.
- Resolved customer questions relating to complex account processes.

## AWARDS AND HONORS

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### FELLOWSHIPS

- Eccles Fellowship, University of Utah College of Engineering, July 2014
- Nanotechnology Training Program Fellowship, Nano Institute of Utah, June 2014

### OTHER SELECTED AWARDS

- Kinam Park Student Travel Grant, Controlled Release Society, Jul. 2018
- Best Research Poster, Utah Biomedical Engineering Conference, December 2016

## VOLUNTEER / LEADERSHIP ACTIVITIES

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**TREASURER** – Graduate Student Advisory Council, University of Utah January 2012 – August 2013

- Handled financial transactions and accounting for a main university council.
- Provided valuable insight into council discussions, ultimately enacting two new university policies.

**HANDLER / TRAINER** – Caesar Therapy Animals September 2016 – May 2018

- Trained 12 dogs (differing breeds) for use as mental illness therapy animals.
- Offered a weekly training course to new handlers of therapy animals.

## PUBLICATIONS & PATENTS

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### SELECTED JOURNAL ARTICLES (Complete publication list available at [scholar.google.com/spjones](https://scholar.google.com/spjones))

1. **S.P. Jones**, T.P. Flushing, L.Q. Wu, B.F. Gardner, J.T. Martin, J. Stevens, H. Pershing. Recombinant protein polymers exhibit unnatural folding. *Macromolecular Bioscience* (2019) 18(2):1561-1573.
2. **S.P. Jones**, T.P. Flushing, N.L. Efant, H. Pershing. Embolic therapies extend life expectancy in mouse models of hepatocellular carcinoma. *Journal of Controlled Release* (2018) 259:62-75.
3. T.P. Flushing, J. Wanjian, **S.P. Jones**, A. Sole, J. Stevens, H. Pershing. Silk-elastinlike protein polymers enhance the efficacy of radioembolotherapy in various cancer models. *Journal of Controlled Release* (2018) 263:46-56.
4. T.P. Flushing, W. Jia, A. Sole, **S.P. Jones**, D. Fenza, B.F. Gardner, J.T. Martin, J. Stevens, H. Pershing. Silk-elastinlike polymer embolics show strong translational potential. *Science Translational Medicine* (2018) 199(4):107-114.
5. T.P. Flushing, **S.P. Jones**, D. Fenza, B.F. Gardner, J.T. Martin, J. Stevens, L. Eisenmenger, E. Huo, H. Pershing. Preliminary development of a silk-elastinlike protein polymer based embolic for hepatocellular carcinoma. *Journal of Vascular and Interventional Radiology* (2017) 29(4):S174-S175.

### PATENT APPLICATIONS

1. H. Pershing, T.P. Flushing, **S.P. Jones**. Patent Application No. WO20192356789A1. Protein Polymer Radioembolic Device. Filed October 2, 2018.

## PROFESSIONAL ORGANIZATIONS

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- American Association for Pharmaceutical Scientists (AAPS)
- American Association for the Advancement of Science (AAAS)
- Controlled Release Society
- Institute of Interventional Radiology
- International Natural Product Sciences Taskforce (INPST)
- United Workforce of Interventional Radiologists