**SCIENTIFIC DIRECTOR**

**Rare Diseases | Lysosomal Storage Disorders | KOL Development | Cross-Functional Project & Team Management| Medical Strategy Planning | Competitive Intelligence | Product Development**

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| **Summary** |

Scientist and innovator with ten plus years’ experience in cancer systems biology and rare diseases. Member of the Therapeutic Area Medical Strategy Group focusing on building professional relationships with key stakeholders to expand Takeda’s research, advisory, and educational partnership opportunities.

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| **Candidature Highlights** |

**Scientific Credentials:**

* Proven research experience in [cancer systems biology and translational medicine](http://www.ravirameshpathak.com/project)
* Co-inventor of novel platform technology and cancer models
* Published more than 40 peer-reviewed publications (1104 citations, h-index: 18)

**Alliance Partnerships Development:**

* Cultivated **long-term strategic partnerships** withthe key centers of excellenceto advance critical medical affairs imperatives for LSD portfolio (**Gaucher, MPS II and MLD**)
* Identified and engaged KOLs from diverse specialties including **genetics, pediatrics, hematologists, neurologists and genetic counseling.**
* Developed and managed cross-functional Medical Unit partnerships within the Rare therapeutic area

**Cross-Functional Projects:**

* Planned, designed, and **executed conference activities** including medical booth, scientific symposia, conference reporting, and communication of key competitive intelligence
* Key contributor in the **development of market insight strategy** for US Commercial Operations/HEOR (**Budget Impact Modeling, CVA development for Marketing, Analytics algorithms**)
* Developed and deployed tools for gathering medical insights with GMA business solutions

**Innovation and Commercialization:**

* Co-invented a [chicken egg-based platform technology](https://www.jove.com/video/52411/the-ovo-chick-chorioallantoic-membrane-cam-assay-as-an-efficient) for cancer research and precision medicine
* Formulated business plan, developed and presented the concept to feature among [top 10 technologies out of 750 in OneStart 2016](https://www.tmc.edu/news/2016/08/baylor-team-finalist-international-tech-startup-event/)
* [Co-founded Ovodex](https://www.ravirameshpathak.com/ovodex) – a start-up based to launch products and services using [Blue Ocean Strategy](https://www.linkedin.com/pulse/chicken-egg-based-model-accelerate-cancer-research-ravi)

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| **Professional Experience** |

**Takeda, Boston, MA April 2022 - Present**

**Scientific Director (Gaucher, MPS II, MLD)**

* Partnering with Sr. Medical Director on **strategic planning**, **formulation of yearly medical plans, clinical/scientific training, advisory boards, and medical conferences**
* Developing and **maintaining a broad network relationship** with internal and external stakeholders
* Generating **real-world evidence** via publications, HEOR studies, and MACS projects
* Designing and **executing clinical studies** to develop AI-based medical decision-making digital tools
* Driving collaborative research and Investigator Initiated Research (IIRs) programs

**Takeda, Boston, MA Jan.2020 – March 2022**

**Associate Scientific Director (Gaucher, MPS II, MLD)**

* Co-developing strategic planning and managing US Medical Unit activities
* Supporting execution of yearly medical tactical plan
* Devising tactical content for medical information, scientific communications, and field medical teams
* Drafting and reviewing research protocols, MU reports, manuscripts, and scientific decks

**Shire Pharmaceuticals, Boston, MA April 2018 – Dec.2019**

**Senior Medical Science Liaison (Gaucher, MPS II)**

* Developed and managed synergistic relationships with Centers of Excellence across PA, NY, NJ, NH, CT, MA, RI, VT, and ME
* Contributed towards **developing and executing strategic and tactical plans** including advisory boards

**Shire Pharmaceuticals, Boston, MA Nov.2017 - March 2018**

**Medical Science Liaison (Gaucher, MPS II)**

* Identified, profiled and engaged KOLs in NM, TX, OK, AR, MS, LA, AL, and PR in high-level scientific/clinical communications at key rare disease treatment sites
* Successfully chaperoned and managed Investigator-Initiated Research across key accounts

**Baylor College of Medicine, Houston, TX July.2016 - Oct.2017**

**Director, Patient-Derived Xenograft and Advanced In Vivo Models Core**

* Developed [novel cancer models](https://www.ravirameshpathak.com/project) including PDX, 2D/3D models of cell lines, and custom bioassays.
* Formulated marketing and sales strategy to commercialize novel platform technology

**Ovodex, Houston, TX Jan.2016 – Oct.2017**

**Co-Founder**

* Co-invented a [chicken egg-based platform technology](https://patentimages.storage.googleapis.com/d7/b6/e2/4954c54615f9f3/US20190029235A1.pdf) for cancer research and precision medicine.
* Formulated a business plan, and represented Ovodex (top 10 technologies out of 750 in OneStart 2016)
* Designed and executed a product development strategy to **lead the concept-product transition**

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| **Education** |

**Certificate Program in Business Innovation and Entrepreneurship**

**The University of Texas at Austin - Red McCombs School of Business**

**Doctor of Philosophy (Ph.D.) in Biotechnology**

**G.G.S. Indraprastha University, Delhi, India**

**Post Graduate Diploma in Business Administration (M.B.A.)**

**Symbiosis International University, Pune, India**