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## RAVI RAMESH PATHAK, Ph.D., M.B.A.

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### ASSOCIATE SCIENTIFIC DIRECTOR

Rare Disease and Oncology | KOL Development | Cross-Functional Project & Team Management | Medical Strategy Planning | Competitive Intelligence | Publications | Product Development |

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### Summary

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Scientist and innovator with proven expertise in genomics, 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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### Accomplishments

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#### Scientific Credentials:

- Proven research experience in [genomics and translational medicine](#)
- Developed and executed projects in Immuno-oncology and Personalized Medicine
- Published more than 40 peer-reviewed publications (940 citations, h-index: 16)

#### Alliance Partnerships Development:

- Identified, profiled and **engaged KOLs across South-Central and North-East territories** in high-level scientific/clinical communications to advance key Medical Affairs initiatives
- Successfully chaperoned investigator-initiated research projects
- Facilitated active participation of KOLs in Takeda sponsored advisory boards and medical symposiums

#### Cross-Functional Projects:

- Collaborated as conference lead with USMO, global and commercial/brand teams to execute key medical conferences including booth presence, symposia, conference reporting and communication of key competitive intelligence
- Conducted training sessions in collaboration with US Commercial Operations as a subject matter expert
- Supported deployment of tools and critical updates for **gathering key field insights** as "CRM super-user" in conjunction with GMA Business Solutions and Analytics team

#### Innovation and Commercialization:

- Co-invented a [chicken egg-based platform technology](#) 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](#)
- Raised \$100,000 to fund a technical core, and [co-founded Ovodex](#) – a start-up based to launch products and services using [Blue Ocean Strategy](#)

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### Professional Experience

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Takeda, Boston, MA

2020- Present

Associate Scientific Director

- Leading **strategic planning** and managing US Medical Affairs activities including medical and scientific training, advisory boards, and medical conferences for the LSD Medical Unit.
- Developing and disseminating **medical and scientific content** for internal and external USMO material
- Developing and maintaining a broad network relationship with internal Takeda units to ensure that Medical Affairs strategies are integrated with those of the larger Takeda organization.

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**Shire Pharmaceuticals, Boston, MA**  
**Senior Medical Science Liaison**

**2018 - 2019**

- Collected, interpreted and communicated medical insights and feedback from KOLs in key accounts
- Contributed towards **developing and executing strategic and tactical plans**

**Shire Pharmaceuticals, Boston, MA**  
**Medical Science Liaison**

**2017 - 2018**

- Developed and engaged KOLs in high-level scientific/clinical communications
- Successfully managed Investigator-Initiated Research across key accounts

**Baylor College of Medicine, Houston, TX**  
**Director, Patient-Derived Xenograft and Advanced In Vivo Models Core**

**2016-2018**

- Developed [novel cancer models](#) including PDX, 2D/3D models of cell lines, and custom bioassays.
- Negotiated **strategic partnerships, and collaborations**
- Formulated marketing and sales strategy to commercialize novel platform technology

**Ovodex, Houston, TX**  
**Co-Founder**

**2016-2017**

- Co-invented a [chicken egg-based platform technology](#) 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**

**Baylor College of Medicine, Houston, TX**  
**Postdoctoral Associate, Department of Otolaryngology**

**2014-2016**

- Co-developed a [novel In Vivo bone metastasis assay](#) for prostate cancer
- Profiled patient TCR diversity and clonal expansion by Immunosequencing as part of an Immunotherapy clinical trial for HPV-associated Oropharyngeal cancer

**University of South Florida, Tampa, FL**  
**Postdoctoral Fellow, Department of Pathology and Cell Biology**

**2010-2014**

- Developed and characterized a lung-specific triple transgenic [conditional knock-out mouse model](#)
- Developed novel bioinformatics pipelines to integrate omics generated genomic, proteomic and structural biology data into [disease-driving biological networks](#)

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## Education

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**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**