

*Dr. Dipanwita Maiti*

## **EDUCATION**

- Cornell University, USA, Ph.D. in Biotechnology (GPA 3.6/4.0), 1998
  - Drexel University, USA, M. S. in Bioscience and Biotechnology (GPA 4.0/4.0), 1993
  - Visva-Bharati University, M.Sc. in Life Sciences (Ranked 2 nd ), 1988
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## **POSITIONS**

- Regional Program Head of South Asia Region in The Max Foundation (an international NGO)
  - General Manager (2017) in USV Ltd
  - Senior Principal Scientist (2015-2017) in USV Ltd
  - Scientist (2012-2015) in USV Ltd
  - Assistant Principal scientist (2004-2011) in USV Ltd
  - Senior Scientist (2001 – 04), in USV Ltd
  - Research Scientist (1998- 2001) in Biotechnology R&D division, in a leading company, USV Ltd in India
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## **EXPERIENCE**

- More than 27 years of experience – 24 yrs of biotech research and technical experience, including 16 years of experience in Pharmaceutical R & D in making Biotherapeutic / Biosimilar drugs.
- 5yrs of rich experience in handling realities in Social Causes and boundaries in receiving treatment access globally in low- and middle-income countries especially in South Asia region.

### ***\*Pharma Industry***

- Have detailed knowledge and experience in hands-on research, designing research work, as well as directing many others in their work
- Depth of knowledge and hands-on experience in screening of high expressors in bacterial, fungal, plant and mammalian source.
- Making of a Biotherapeutic recombinant drug (from cloning with innovative strategies all the way till the manufacturing scale).
  - Isolation of a specific gene of interest from specific tissue source of human and bovine origin.

- Process Development and its validation at the pre-clinical and clinical scales. o Final API generation and the development of its basic stable bulk solution.
- Represented the company in various international bio-similar/business development conferences and trade fairs
- Have experience of analytical steps involved in making of a biosimilar and qualifying the final product conforming to ICH, EP and IP guidelines

\*Experiences gathered in Humanitarian Cause working in the International NGO, The Max Foundation by interacting and helping patients facing Cancer.

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#### **LIST OF PATENTS:**

- PCT/IN04/00182, Novel Chimera and the process for the preparation thereof.
  - PCT/IN04/00393, Low cell density fermentation Process for the production of heterologous Recombinant Proteins in microorganisms
  - PCT/IN04/00346, A novel process for the purification of human growth hormone.
  - WO/2008/136014, Cloning and expression of enterokinase and its process.....
  - WO/2009/019715, Novel Orthogonal process for purification of recombinant human parathyroid hormone.
  - WO/2006/051554, A Novel process for purification of human growth hormone.
  - US Patent # 7820409, Chimeric human growth hormone derived from the placenta and pituitary.
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#### **LIST OF PUBLICATIONS:**

1. Maiti, D., List, A. and Dobres, M.S. (1993), Transcripts for a lectin-like gene accumulate in the epidermis but not the protodermis of the pea shoot apex. *Planta* 190: 241-246.
2. Mandaci, S., Thum, K., Maiti, D., Pak, J.H. and Dobres, M.S. (1994), An RNA marker for epidermal cell type and differentiation. *Plant Science* 101: 75-82.
3. Dobres, MS; Maiti, D; Thum, K; et al., Analysis of an epidermal specific lectin gene from pea in transgenic alfalfa, *Journal of Cellular Biochemistry*, 109-109 Suppl. 18A JAN 4 1994.
4. Dipanwita Maiti, Acylsugar synthesis, accumulation and secretion in *Lycopersicon pennellii* Corr. (D&#39;arcy), Thesis (Ph. D.), Cornell University, May, 1998.