

## CURRICULUM VITAE OF PABITRA MOHAN BEHERA

### ➤ Name & Designation

Pabitra Mohan Behera, Research Scholar  
R & D Center, Hi-Tech Medical College & Hospital  
Bhubaneswar, Orissa, PIN-751025  
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### ➤ Objectives

- To become a self remade man in the field of Bioinformatics
- To become a suitable asset for organization employing me
- To serve Nation with novel ideas and innovations

### ➤ Personal Skills

- Good communication and analytical skills
- Good team spirit, disciplined, self-confidence, punctual and my willing power

### ➤ Research/Service Interests

- Structural Bioinformatics (CADD & CAMD)
- Bioprogramming with JAVA & PERL
- Molecular Simulation Techniques
- Data Mining and Data Base Management Systems
- Web Development and Management

### ➤ Educational Qualifications

- Registered for PhD from SOA University, Bhubaneswar.
- MSc Bioinformatics from Orissa University of Agriculture and Technology, Bhubaneswar in November, 2006 with 72.7%.
- BSc Botany (Hons) & distinction from Utkal University, Orissa, Bhubaneswar in April, 2004 with 65%.
- Intermediate Science from Council of Higher Secondary Education, Orissa, Bhubaneswar in March, 1999 with 59%.
- H.S.C from Board of Secondary Education, Orissa, Cuttack in April, 1997 with 79%.

### ➤ Achievements

- Presented a poster entitled “Molecular Modeling and Structural characterization of BRCA1-ZBRK1 complex to interpret novel insight in cancer biology” in 4<sup>th</sup> International Symposium on Current Trends in Drug Discovery Research (CTDDR-2010).
- Delivered an invited lecture on “Insight to Bioinformatics in Microbiology” in National seminar on “Industrially important microorganisms and their biosafety”.
- Owns the authorship for sequences FM992375, FM992376, FM994156 submitted to EMBL
- Designed the official website of CTDDR-2007. ([www.ctddr.com](http://www.ctddr.com))

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### ➤ Experiences

- Working as a Research Scholar at Research & Development Centre, Hi-Tech Medical College & Hospital, Bhubaneswar  
Duration - Nov, 2009 to now
- Worked as a Research Intern at Regional Medical Research Centre (ICMR), Bhubaneswar  
Duration - Feb, 2008 to Oct, 2009  
Purpose - Structural Bioinformatics (Genomics and Proteomics) of Anopheline vectors
- Worked as a trainee cum developer in JPSPL, Bhubaneswar.  
Duration - 4<sup>th</sup> Sept, 2006 to 14<sup>th</sup> Nov, 2007  
Languages Practiced - VB.NET, ADO.NET and ASP.NET  
Software Developed - BILL PAY SYSTEM and SOFTOMATRIX 1.0
- Worked as a project trainee at CDRI, Lucknow.  
Purpose - QSAR (2D & 3D) of antidiabetic compounds.  
Duration - 2<sup>nd</sup> May, 2006 to 2<sup>nd</sup> Sept, 2006  
Software Used - SYSTAT-10, SYBYL-6.9

### ➤ Publications

- **Behera, P. M.**, Panda, A., Naik, S., Padhi, P., Molecular Modeling and Structural characterization of BRCA1-ZBRK1 complex to interpret novel insight in cancer biology. (*Abstract submitted for publication in Medicinal Chemistry Research*)
- Panda, A., **Behera, P. M.**, Naik, S., Padhi, P., Design of herbal drugs using soft computing approach. (*Abstract submitted for publication in Medicinal Chemistry Research*)
- Kumari, S., **Behera, P. M.**, Padhy, S., Kar, S. K., Hazara R. K., Mahapatra, N., Gentic Characterization of Mitochondrial Gene, Cytochrome c oxidase subunit I (COI) of *Anopheles subpictus* of Orissa, India. (*manuscript submitted for ESA publication*)
- **Behera, P. M.**, Sethi, B. K., Rout, J. R., Pani, D., Mishra, R. R., Padhy, S., Sahoo, S. L., *In silico* biology of HIV-1 in the lane of POL genes, Proceedings of the National seminar on Industrially important microorganisms and their biosafety, **2009**: pp. 27-36.
- Sethi, B. K., Rout, J. R., **Behera, P. M.**, Pani, D., Nanda, P. K., Das, R., Sahoo, S. L., Protease Production and Growth Characteristics of *Aspergillus sydowii*, Proceedings of the National seminar on Industrially important microorganisms and their biosafety, **2009**: pp. 7-14.

### ➤ Seminars attended

- Attended the 4<sup>th</sup> International Symposium on “Current Trends in Drug Discovery Research” (CTDDR-2010).
- Attended the National Seminar on “Industrially important microorganisms and their biosafety”.
- Attended the 3<sup>rd</sup> International Symposium on “Current Trends in Drug Discovery Research” (CTDDR-2007).

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- Attended the National Seminar on “Frontier Bioinformatics Tools in genome and proteome Analysis”.

### ➤ Computer Skills

**Operating Systems:** Linux, UNIX, Windows (2000/NT/ XP)

**Languages:** C, JAVA, PERL, DBMS (SQL & PL-SQL)

**Software:**

- **General:** Microsoft Office 2007, Adobe Photoshop
- **Statistical:** SYSTAT 10, SPSS 10, STATISTICA 10
- **Bioinformatics tools:**
  1. TRIPOS Sybyl6.9 (CoMFA & CoMSIA)
  2. Molecular Operating Environment (MOE)
  3. Molecular Design Software (MDS) (BioMed CAche)
  4. GOLD ( Genetic Optimization for Ligand Docking)
  5. Chimera, Bioedit, Jalview, CINEMA
  6. Molecular Visualization Software CN3D, SPDBV, icmbrowser-pro, , DS Visualizer
- **Database systems:** ORACLE - 9i, SQL Server 2000.
- **Web developments:** HTML, XML, ASP.NET, JAVA SCRIPT, Dream weaver.
- **Specials:** Macromedia FLASH, GCG Package.
- **Online Tools**
  1. Tools Expasy Server
  2. Tools of SDSC
  3. Tools of NCBI
  4. Tools of DDBJ
  5. Tools of EMBL

### ➤ Personal profile

- **Name:** Pabitra Mohan Behera
- **Father’s Name:** Mr. Panchanan Behera (S. O. F.)
- **Mother’s Name:** Mrs. Puspallata Behera
- **Date of Birth:** 31<sup>st</sup> July 1982
- **Nationality:** Indian
- **Gender:** Male
- **Marital Status:** Single
- **Languages Known:** English, Hindi, Oriya, Bengali
- **Address of Correspondence:** Plot No - 4059, Pandara, GGP, Bhubaneswar, Orissa, Pin-751025 (India)

## **CURRICULUM VITAE OF PABITRA MOHAN BEHERA**

### ➤ **References**

#### **1. Dr. Anil Kumar Saxena, Scientist G**

Dy. Director, M.P.C, C.D.R.I,

Lucknow, Utter Pradesh

Pin-226001 (India)

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#### **2. Dr. Namita Mahapatra, Scientist E**

Dept. of Medical Entomology

R. M. R. C. (ICMR)

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#### **3. Dr. Shailendra Kumar Gupta, Scientist C**

Bioinformatics Domain

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### **DECLARATION**

I hereby declare that all the statements made in this document are true and complete to the best of my knowledge and belief.

Place:

Date:

(Pabitra Mohan Behera)