**SHWETA PIMPLASKAR**

**Mobile:** 09687427374 **E-Mail:** shweta.pimplaskar@gmaill.com

**JOB OBJECTIVE**

Seeking for the position in the field of genetics in high standard biotech company where I can use my skills and knowledge in the field of genetics along with past experience which may help me to develop my personal and professional growth.

**CORE COMPETENCY**

* Extensive experience of clinical cytogenetic research, testing ,molecular biology testing and analysis activities
* Sound knowledge of Cytogenetic and Molecular biology techniques and analyses
* Familiarity of using ISCN nomenclature and Microsoft office suite
* Commendable knowledge of laboratory procedures, equipments, quality control and regulations
* Operational knowledge of laboratory apparatus, cytological equipments
* Ability to evaluate and understand genetic diagnostic reports correctly
* Ability to validate and store new FISH probes into clinical probe library.
* Document and maintaining sample information, patient data and cytological images
* Communicates appropriately using good interpersonal skills
* Ability to understand, follow and convey technical instructions with accuracy and attention to details

**TECHNICAL SKILL SET**

* Proficiency in Applied Biosystems® 2720 Thermal Cycler.
* Applied Biosystems 7300 Real-time PCR system.
* Cepheid Smart Cycler® System, an integrated DNA/RNA amplification and detection instrument (qPCR).
* Bio-Rad Variant Hemoglobin Testing System HPLC Pump LC chromatography station.
* Beckman Coulter cytomics FC500 Flow Cytometer.
* Working knowledge of MS-OFFICE and Bioinformatics

**WORK EXPERIENCE**

**Since 1st May’14 to 31st January’17 SN Gene Laboratory & Research Centre, Surat as Cytogenetic Technologist , Cytogenetic Dept.**

* Hands on experience in conducting cytogenetic testing, analysis and documentation in a laboratory setting
* Carried out duties like culture planning of various samples i.e. peripheral blood, Bone marrow, Amniotic fluid, Chorionic Villi, products of conception ; cell culture, harvesting and slide preparation , staining and banding and karyotyping
* Experience in FISH tests from processing up to post hybridization
* Carried out Prenatal sample harvesting and processing for both karyotyping and FISH analysis
* Monitors all the reagents and FISH probes required in above mentioned procedures for its quality from receiving up to its disposal
* Maintaining all the sample receiving and disposal records
* Verification of equipment functions properly, requisitions for equipment maintenance, repair or replacement, and removes defective equipment
* Assists with maintaining established departmental policies and procedures, objectives, and quality improvement, safety, and environmental and infection control standards
* Aware about ISO 15189 and NABL accreditation
* Participated in NABL audit

**Since December’13 to April’14 Tulsi Endocrine Labas Lab Analyst**

* Proficient in various diagnostic tests based on ELISA for the patients and susceptible diseases like viral infections (TORCH TEST) , hypersensitivity reactions(IgE), vitamins (D3,B12) and tumour markers (CA-125)
* Experience of analysis of disease based biochemical and hormonal profile of patients for diagnostic purpose
* Expert in microbiology related work like,

-Isolation (Isolation techniques)of microbes and its identification

-Microbial culture

* Hands on experience of TB-PCR by real time PCR for detection of MTB

**Since April’12 to May’13Surat Raktadan Kendra and Research Centre As Research Assistant**

* Carried out various projects and gained expertise on molecular biological techniques Nucleic acid isolation, gel electrophoresis, blotting, PCR, RT-PCR, qPCR, RFLP etc. for genetic disorders.

**Projects Responsibilities:**

* **Prevalence and molecular genetics of β-Thalassemia and Sickle Cell Disease** 
  + Efficiently handling responsibilities of hemoglobinopathies by hematological and biochemistry methods
* **Community control of Thalassemia: Prenatal diagnosis & Establishment of molecular characterization of hemoglobinopathies** 
  + Mutation study by CRDB and ARMS for various hemoglobinopathies
  + Pedigree analysis by RFLP
* **NAT for the detection of viral DNA and RNA**
  + Viral Nucleic acid isolation and its detection by qPCR
* **Multiplex ARMS PCR**
  + Development of multiplex PCR

**TRAINING DETAILS**

* Worked as Production trainee in production of drug eluting stent with Intervention Device Division in **Invent BioMed Private Limited** from **January’12 to March’12**
* Have undergone Hands on training of,

-Atomic Absorbance Spectrophotometer(AAS),

-Gas Chromatography (GC),

-Gas Chromatography andMass Spectrometry (GC-MS) at **Pollucon Laboratries Private. Limited,**

**Surat- September 2010**

* Operator’s Training programonBeckman Coulter- Flow Cytometer “FC500” at **SRKRC, Surat- June 2012**
* Undergone training of Molecular Biology techniques at **SRKRC, Surat- 2012**
* Undergone training of Nucleic Acid Amplification Tests on viral DNA and RNA at **SRKRC, Surat- Feb, March-2013**
* Hands on Animal cell culture techniques at **S.K.Patel college of Pharmaceutical Education and Research,** Ganpat University- Sept’13

**ACADEMIC DETAILS**

* M.Sc. in Biotechnology from Veer Narmad South Gujarat University, Surat with 65.21% in 2011
* B.Sc in Biotechnology from Veer Narmad South Gujarat University, Surat with 61.62% in 2009

**ACADEMIC PROJECT**

**Since January’11 to April’11** **Disha Life Sciences Private Limited as Research Trainee**

* **Isolation and Identification of toluene degrading microbes & detection of catabolic Gene** Objective of the project is to isolate toluene degraders from soil contaminated with oil and detection of presence of catabolic gene (responsible for its degradation) in those microbes

**INTERNATIONAL JOURNALS PUBLICATIONS**

* **Isolation and Identification of Toluene degrading Microbes and detection of Catabolic Gene** *American Journal of Biochemistry and Molecular American Journal of Biochemistry and Molecular Biology. 01/2014; 4(1):42-47. ISSN 2150-4210/DOI:10.3923/ajbmb.2014. (Impact factor: 2.02)*

**URL:** <http://scialert.net/abstract/?doi=ajbmb.2014.42.47>

**ACHIEVEMENTS**

* Qualified GATE BT 2013 exam with 84 percentile, AIR 2537 and score 354
* Achieved 188TH rank in National Level Biotechnology Talent Search Exam (senior level) by Biotech Helpline Foundation (Feb 2010)- Jaipur
* Awarded 2nd prize in Equilibrium 2009- State level paper presentation competition held at V.V.P Engineering college, Rajkot

**PERSONAL DETAILS**

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| Name | : | Shweta Pimplaskar |
| Permanent Address | : | C-4, Unique Apartments, B/h Mahabaleshwar Society, Near Jodhpur Cross Roads, Satellite, Ahmedabad- 380015 |
| Date of Birth | : | 23rd October 1988 |
| Sex | : | Female |
| Languages Known | : | English, Hindi,Gujarati, Marathi |
| Passport No | : | L4440973 |