

## Career Scenario Template

Please use this template as a guideline for creating a biotechnology technician profile for Bio-Link. To produce a common format between all the profiles we encourage you to complete items 1 - 8 for every scenario; items 9 – 12 are optional. However, this template can be adjusted if necessary.

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<b>1. Name</b>	
<b>2. Job Title</b>	
<b>3. City, State</b>	
<b>4. Biotechnology Education:</b>	<p><i>Degree/Certificate, name of program, year completed</i></p> <p><i>If the technician earned a degree or certificate list it here... or give some other description if the student completed only single course(s) or part of a program.</i></p> <p><i>List the program web address here:</i></p>
<b>5. Employer:</b>	<p><i>Name of company/agency/institution</i></p> <p><i>Give a brief description of the company/institution mission and size here. (One of the easiest ways to write this is to paraphrase the company's mission statement or description that is listed on their web site. Bio-Link will ask each company to sign off on the wording, but this is free promotion for their company and good p.r. so it should be easy to do.)</i></p> <p><i>List the company/institution web address here:</i></p>
<b>6. Job Description and Responsibilities:</b>	<p><i>Description of individual's key tasks and responsibilities.</i></p> <p><i>A quote from the student is best but not essential for this section.</i></p>
<b>7. Personal Background:</b>	<p><i>Brief description of individual's educational and professional background prior to becoming a biotech technician---could also include any distinguishing experiences or interests. Explanations for why the individual chose biotech as a career path would be very good.</i></p>
<b>8. Commonly Used Skills and Techniques:</b>	<p><i>Brief list of skills and techniques that the technician uses regularly. This info is included to help the reader understand the activities a technician does to accomplish his/her work (this may not be apparent from the job description) and to help convince students that the skills they're learning in the classroom are relevant to real jobs.</i></p>

<b>9. Most Rewarding Job Attributes:</b>	OPTIONAL <i>comments from the technician about what's best about their job</i>
<b>10. Most Challenging Job Attributes:</b>	OPTIONAL <i>comments from the technician about challenges they face in completing their work that might be enlightening to the reader about the nature of the job or the field of biotechnology.</i>
<b>11. Daily Experiences:</b>	OPTIONAL <i>comments from the technician about things they do every day as part of their job...alternatively, these comments could be part of the job description, but in some cases it might be useful to list them separately.</i>
<b>12. Quote:</b>	OPTIONAL <i>any other relevant and interesting quotation from the student that doesn't fit under any of the other headings.</i>

Please submit a **Color Photo** of the Technician [preferably showing the individual at work – film or digital formats are acceptable. A signed photo release form authorizing Bio-Link’s use of this photo will also be required (download from website).]

Please send completed form to:

Bio-Link  
 NHCTC - Biotech Dept.  
 67 New Hampshire Ave  
 Portsmouth, NH 03801

*example scenario----blue links will be active on the Bio-Link web site*

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**Ian Aranha**  
**Process Development Technician**  
**Seattle, WA**

***Biotechnology***

***Education:*** A.A.S. in Biotechnology, Seattle Central Community College, 1994  
(for more information about this biotechnology program [click here](#))

***Employer:*** **Targeted Genetics Corporation**  
Targeted Genetics Corporation develops gene and cellular therapies to combat life-threatening diseases, such as cystic fibrosis, hemophilia A and cancer. Technologies being developed at Targeted Genetics include synthetic and viral gene delivery systems and targeted cytotoxic T-lymphocytes (CTLs). Targeted Genetics was founded in 1992 and currently has more than 100 employees in Seattle, Washington.

(for more information about Targeted Genetics [click here](#))

***Job Description and Responsibilities:***

“At Targeted Genetics I work in the Process Development Department. I am involved in and responsible for the development of a purification process for the production of a clinical grade viral vector. It has just been transferred to Manufacturing. Right now, I am focused on the development of a similar process for a research vector. It involves production of research vector to meet the needs of our collaborators. Basically, my job involves screening resins, doing experiments to determine the best pH, conductivity, buffer and salt concentrations, performing assays to analyze chromatography fractions and putting all the pieces together to complete the picture. Also, from time to time, I am involved in the up-stream production of vector and get to use 1.5 L and 10 L bioreactors to generate the required biomass.”

***Personal Background:***

“I got my Bachelor’s Degree in Biochemistry from the University of Bombay in 1987. After graduation, I went through a tough time trying to get into graduate school and Medical School. Entrance to those schools was tough on account of my inability to hear. Services for disabled people are not the best back home. As a result, for a long period of time, I flitted from job to job never really lasting in one for a long time as my heart was set on working in the science field. I had a variety of jobs, ranging from bank teller to photographer to shrimp farmer. In 1992, I came to Seattle to see if I could make a new life, entered the Biotech program, and the rest is history.”

***Commonly Used Skills and Techniques:***

column chromatography, cell culture,  $\beta$ -galactosidase assays to quantitate amounts of virus, gel electrophoresis, measurement of pH and conductivity (note: these entries are placeholders, need to ask Ian.)

***Most Rewarding Job Attributes:***

“The work is never boring. It’s like the change from making one batch of chocolate chip cookies to making chocolate chip cookies for all of Seattle.”