



- Constructed several detailed protocols for manuscripts and laboratory use.
- ◆ Additional roles
  - Collaborated with vendors for promotional items and supply issues.
  - Handled the entire general IT and computer tasks for the laboratory.
    - Managed all the external hard drives and maintained all computer systems.
    - Set up all software and troubleshooted problems.
    - Proficient in dealing with secure items/documents (e.g., medical information).
  - Training included: HIPAA, Hazardous Waste Management and BioSafety.
  - Participated in seminars, parent meetings, tours of the laboratory and presentations.
  - Generated and organized data using a variety of software applications (PowerPoint, imaging software, Adobe, Excel).
- ◆ Scientific roles
  - ◆ Molecular Biology Techniques:
    - PCR, Protein Extraction, Agarose Gel Electrophoresis, Genotyping
  - ◆ Biochemical Techniques:
    - SDS-PAGE and Western Blotting Techniques, Protein Concentration Assays, Immunoprecipitation
  - ◆ Animal Handling Experience:
    - Functional Assays
    - Grip Strength Measurement, Treadmill Running, Activity Monitoring, Gait Analysis
    - Oversaw a large breeding colony (250-600 animals).
    - Took part in large-scale feeding studies that took place over 6 weeks to 7 month time frames.

ABR--Affinity BioReagents, Golden, Colorado  
 Technical Support Representative

June 2005 – Oct. 2006

- ◆ Technical support
  - Collaborated with customers to troubleshoot minor/major issues with receivables.
  - Offered assistance in histological and molecular biology related techniques.
  - Processed replacements, credits and refunds.
  - Handled a large flow of inquiries daily (email and phone) in a time efficient manner.
  - Maintained a professional behavior toward customers and distributors.
  - Proficient in public relations.
- ◆ Additional roles
  - Organized Technical files and resources.
  - Assisted in the Product Development Pipeline, designing product drafts.
  - Took part in updating all publications/references for products going back ten years.
  - Maintained detailed records and article databases.
  - Generated spreadsheets, keeping track of all new and discontinued products for the entire company.
- ◆ Computer related roles
  - Handled all the database changes for the company and tracked such changes.
  - Made backup copies of the database as necessary.
  - Updated the website with minor product changes and graphics.
  - Troubleshooted technical problems with various hardware/software programs.
- ◆ Distributors
  - Collaborated with Distributors, nation wide, on technical issues.
  - Kept detailed spreadsheets on changes made to products to update the Distributors.
  - Along with company President and Director of Distributing, assisted in compiling/giving a presentation to company's other US Distributor, Fisher Scientific.
- ◆ Public Relations
  - Traveled to trade shows, representing the company.
  - Interfaced with potential customers in a professional manner (Face-to-face and phone/email).
  - Met with company partners at various shows to benefit business relations.

AMC Cancer Research Center, Denver, Colorado  
Research Assistant II (Employer: Pratap Kumar, PhD)

Aug. 2004 – June 2005

- ◆ Protein electrophoresis (SDS Page gels)
  - Western Blotting and Immunoprecipitation with Prostate Cancer cell lines/tissue.
  - Preparation of protein from tissue cultured cells and harvested tissue (whole cell, nuclear and RIPA extracts).
- ◆ Cell Culture Experimentation.
  - Assisted in various assays for tissue cultured cells.
  - Cell Cycle Analysis, Trypan Blue assay, Transfections, Luciferase, Proliferation assay, Dapi staining.
- ◆ RT-PCR
  - Gene array
  - RT-PCR analysis and trouble shooting.
- ◆ Animal Studies/Husbandry
  - Set up and organized necropsies for animal studies.
  - Participated in necropsies.

AMC Cancer Research Center, Denver, Colorado  
Research Assistant II (Employer: Robert Strange, PhD)

Oct. 2000 – June 2004

- ◆ Protein electrophoresis (SDS Page gels) and analysis
  - Kept detailed notes, compiled results and problem solved
  - Capable of using autoclaves, pH meters, spectrophotometers/plate readers, centrifuges and scales.
- ◆ Maintained lab equipment, solutions and accounts
  - Oversaw ordering and inventory of lab supplies
  - Budgeted monthly lab supplies
  - Organized and filed account information
- ◆ Cell Culture
  - Maintained/counted cell lines and catalogued cells
  - Performed transfection experiments/reporter assays (Luciferase)
- ◆ Histology/Cytology
  - Operated tissue processor and microtome machines for histological applications
  - Proficient at staining techniques (H&E/Pap) with smears and tissue sections
- ◆ Hematology
  - Mammalian blood handling experience/separating whole blood
- ◆ Animal Studies/Husbandry
  - Set up and organized necropsies for animal studies.
  - Participated in necropsies.

University of Colorado Health Science Center, Denver, CO  
Professional Research Assistant, Division of Oncology/Cancer Center  
Employer: Christopher Korch, PhD (Manager)

July-Oct. 2000

University of North Dakota, Grand Forks, ND  
Research Apprentice, Howard Hughes Undergraduate Biological Sciences

Sept. 1998- May 2000

## Educational Background

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*Bachelor of Science in Biology* (Pre-Health Emphasis), 2000

Minor in Literature

GPA in major: 3.8

Magna Cum Laude

University of North Dakota, Grand Forks, ND

*Master of Arts in Creative and Technical Writing* (enrolled currently with a 4.0 GPA)  
Regis University, Denver, CO

## Awards/Honors

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- ◆ Julia Porter Cape Scholarship, 1998-99
- ◆ AURA (Advanced Undergraduate Research Award (summer of 1999))
- ◆ Eligible for certification by ASCP

References: Available upon request

## Publications and Acknowledgements

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1. Gretchen E. Garcia, **Nicole Arevalo**, Shylesh Bhaskaran, Ashima Gupta, Natasha Kyprianou and Addanki P. Kumar. Akt-and CRED-Mediated Prostate Cancer Cell Proliferation Inhibition by Nexrutine, a *Phellodendron amurense* Extract. *Neoplasia* 8(6):523-533, 2006.
2. Guichun Han, Xiuping Yu, Luo Lu, Shuyi Li, Handong Ma, Shu Zhu, Xiuyun Cui, and Richard E. White. Estrogen Receptor  $\alpha$  Mediates Acute Potassium Channel Stimulation in Human Coronary Artery Smooth Muscle Cells. *J Pharmacol Exp Ther* March 2006 316: 1025-1030 (**acknowledged**).
3. Gretchen E. Garcia, Hans-Georg Wisniewski, M. Scott Lucia, **Nicole Arevalo**, Thomas J. Slaga, Susan L. Kraft, Robert Strange and Addanki P. Kumar. 2-Methoxyestradiol Inhibits Prostate Tumor Development in Transgenic Adenocarcinoma of Mouse Prostate: Role of Tumor Necrosis Factor- $\alpha$ -Stimulated Gene 6. *Clinical Cancer Research* Vol. 12, 980-988, February 2006.
4. Addanki P. Kumar, M Scott Lucia, Gretchen E. Garcia, **Nicole Arevalo**, Daniel E. Chan, Natasha Kyprianou, Susan L. Kraft, Hans-Georg Wisniewski, and Rita Ghosh. Prevention Research 12: Molecular Targets for Cancer Prevention: Development of New Agents: 2-Methoxyestradiol induced prevention of prostate tumors: Enhancing its efficacy. AACR Meeting Abstracts, Apr 2005; 1227-1228.
5. Kumar, A. P., Garcia, G. E., **Arevalo, N.**, M. Scott Lucia, Wisniewski, H-G. Slaga, T.J. and Ghosh, R. 2004. Preventing the development of prostate tumors in preclinical models: Role of NFkB and TNFa-stimulated gene 6 (TSG-6) in 2-Methoxyestradiol (2-ME) induced apoptosis and invasion. Proceedings of Third Annual AACR International conference Frontiers in Cancer Prevention Research (Abstract C121).
6. Kumar, A. P., M. Scott Lucia, Garcia, G. E., **Arevalo, N.**, Chan, D. E., Kyprianou, N., Kraft, S.L., Wisniewski, H-G. and Ghosh, R. 2005. 2-Methoxyestradiol induced prevention of prostate tumors: enhancing its efficacy. Proceedings of 96th Annual Meeting of AACR (Abstract 5199).