Topics for Discussion: Julie A. Ross, Ph.D.

- Participation rates
- Variables collected and completeness
- Information on medical exposures
- Dealing with changes in ICD-0 coding
- Limitations/potential biases
- Data format
- Procedures to access data
- Examples of studies using CCRN
- Healthy control selection...
Genetic epidemiology of osteosarcoma

- ~500 cases ages 0-19 years are being recruited through COG CCRN during 2007-2010
- Collect DNA and surveys through mail
- Genotype cases and their parents using high-throughput genotyping
- ~300 in ~50 genes related to bone growth

NIH R01 CA122371
Genetic epidemiology of neuroblastoma

- ~600 cases ages < 6 years of age are being recruited through COG CCRN during 2007-2013
- Collect DNA and surveys through mail
- Genotype cases and their parents using high-throughput genotyping
- ~1000 SNPs in genes related to vitamin supplementation and related pathways; also combine with ongoing GWAS

NIH R01 CA132887
Others in progress/ planned

• Germ cell tumor (Dr. Jen Poynter) (likely funded)
• Wilms’ tumor (Dr. Rayjean Hung) (partial funding)
• Ewing Sarcoma (Dr. Josh Schiffman)
• Rhabdomyosarcoma (Dr. Simona Ognjanovic)
• ALL (Drs. Logan Spector/ Julie Ross)
• AML (Dr. Susan Puumala)
• Carcinomas (Dr. Kim Johnson)
Pediatric Control Selection

• Random digit dialing

• Birth certificates/ vital statistics registrars

• Other groups