

2011 New Grantee Workshop

Cancer Epidemiology Consortia

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Methods and Technologies Branch

Epidemiology and Genetics Research Program (EGRP)

Division of Cancer Control and Population Science (DCCPS)

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Outline

- What is a Consortium? What are its objectives?
- What are the advantages of being a consortium member?
- Consortia supported by Epidemiology and Genetics Research Program
- How to become a member of a consortium?

Congratulations

New NCI R01 Grantees

What's Next?

Brilliant Minds

One Common Goal

Cancer a History

How can you make Cancer a History?

YOYO:

You're On Your Own

Consortium (Team) Member

YOYO Challenges

- Accrual of human subjects and management of high-quality biospecimens
- Expertise in multiple disciplines
- Technology is rapidly changing for genomic and molecular marker analysis
- New analytic approaches (Large volumes of data)
- Tools for data harmonization and QC
- Financial resources

***Large-Scale Biomedical Science:
Large-Scale Analysis
....National Academy of Sciences***

Consortium and its Objectives

A group of scientists from multiple institutions who have agreed to cooperative research efforts involving pooling of information from more than one population study. The consortia group is able to address scientific questions which cannot otherwise be addressed through the effort of a team of investigators at a single institution, due to scope, resources, population size, and the need for an interdisciplinary approach.

Objectives are to expand knowledge of etiology of cancer through:

- Fostering collaborations among researchers in different countries;
- Providing a forum and framework for discussion, development and pursuit of new research directions;
- Providing a framework for the efficient conduct of pooling studies;
- Accelerate publication of original data and meta-analyses of relevant studies; and
- Supporting the development of early career researchers

Advantages of Consortium Membership

1. **To gain access to the Standard Operating Protocols**, both analytically- and clinically-oriented. These protocols are the best practices developed by a wide array of epidemiologists, clinicians, molecular biologists, biochemists, statisticians, public health specialists, and other researchers who are recognized as some of the best in their respective fields.
2. **To view the data sets generated using new molecular analytical approaches by unprecedented large-scale research**
3. **To keep up to date in a field that is rapidly changing** with the convergence of biotechnology, molecular biology, and clinical medicine.
4. **To gain access to members only SharePoint:** Research articles, meeting information and other materials of use to the investigators are available to Consortium members.

Epidemiology and Genetics Research Program (EGRP)

Mission: Epidemiology and Genetics Research Program funds research in **human populations** to understand the **causes of cancer and related outcomes**.

EGRP fosters interdisciplinary collaborations and the development and use of resources and technologies to advance cancer research and its translation to serve as the basis for clinical and public health interventions.

Vision: To reduce the cancer burden in human populations by identifying determinants of cancer risks and improving outcomes

EGRP Support for Large-Scale Biomedical Research: Cancer Epidemiology

451 Grants

Scanning Life's Matrix and Cracking Cancer Code

Risk Prediction Models

Risk Assessment

Genetic & Epigenetic variation

Diet and Environment

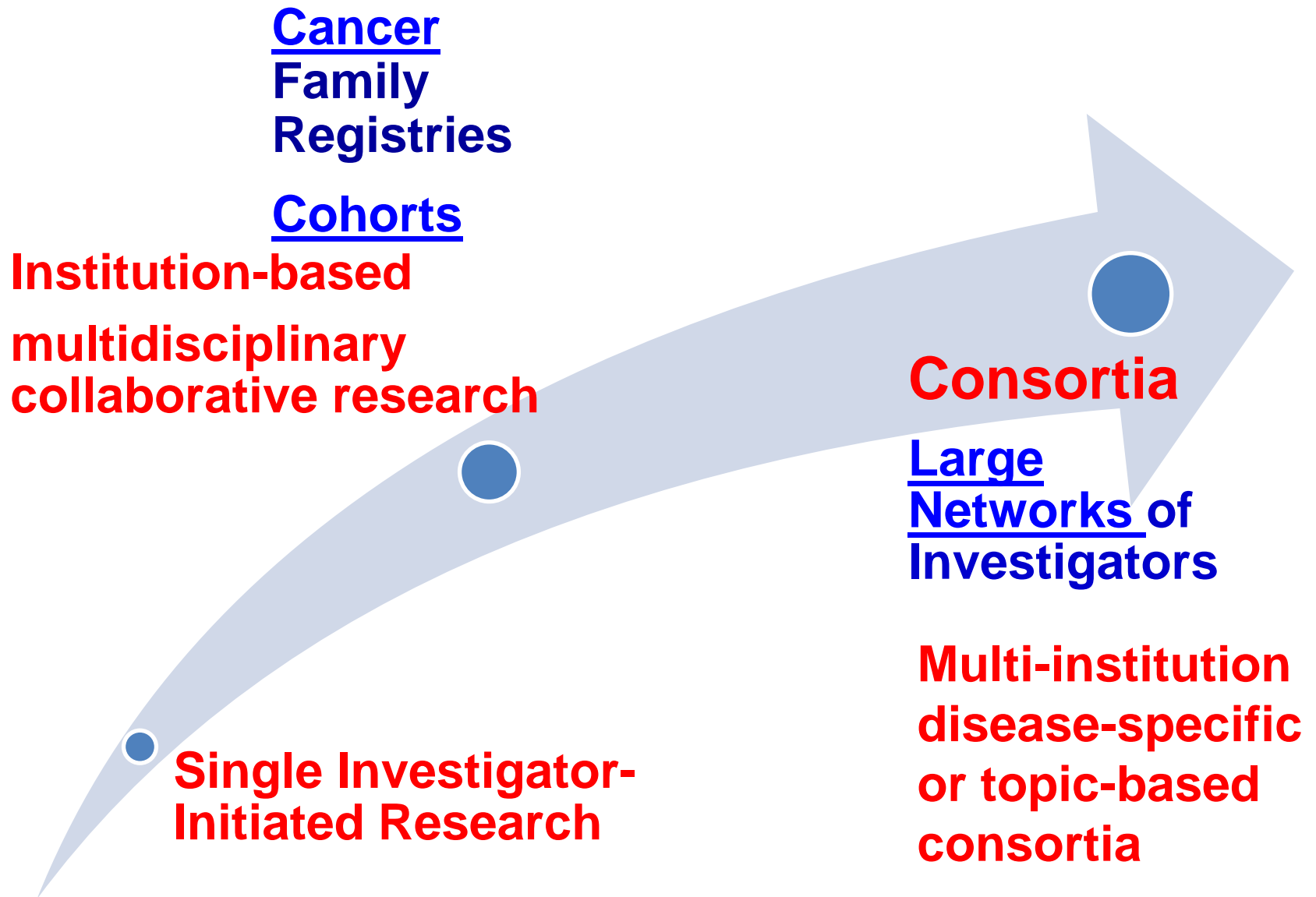
Infectious Agents

Chemicals and Drugs

Survival and Quality of Life

EGRP Support for Large-Scale Biomedical Research

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EGRP Supports Epidemiology Consortia

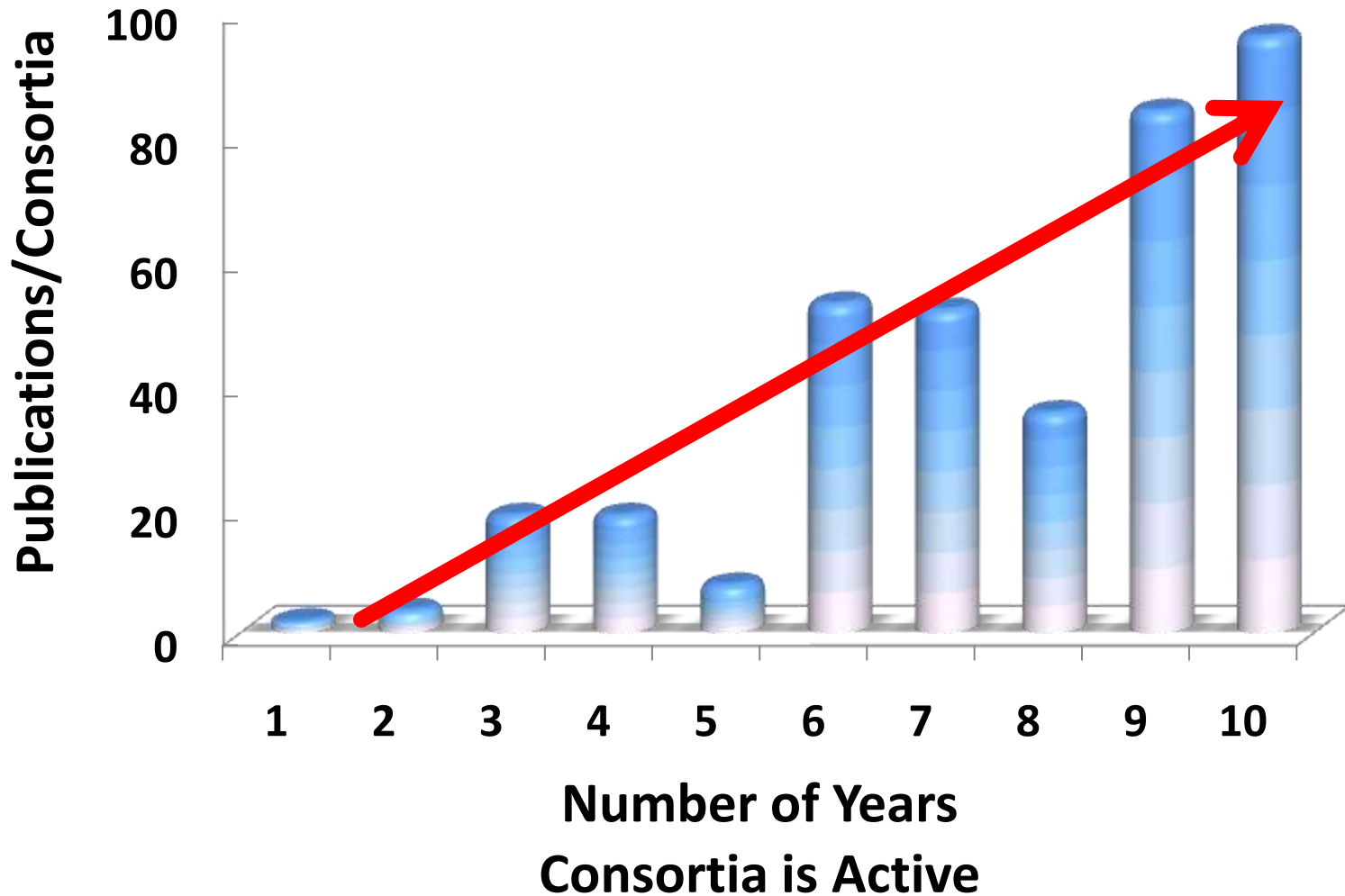
- Intention to facilitate a more open, inclusive, and accountable approach to large-scale biomedical research, which in turn will *maximize progress in understanding and controlling human cancer*.
- Foster collaborations among investigators and existing cohorts at the global level: *Promote multidisciplinary research on topics that can not be easily addressed by an independent study*
- Identify factors (opportunities, challenges and solutions) for the *establishment of new cohorts/Consortia & increasing longevity of the existing cohorts/consortia*

EGRP Supported Cancer Epidemiology Consortia

- Take long to establish
- They are long lived
- Are productive!!!



Publications in Cancer Epidemiology Research Consortia



Benefits abound and there is no charge to Consortium members



National Cancer Institute
U.S. National Institutes of Health | www.cancer.gov

EGRP- Supported Cancer Epidemiology Consortia

Epidemiology and Genetics Research

Cancer Control and Population Sciences

[Cancer Control and Population Sciences Home](#)

[Epidemiology and Genetics Research Home](#)

[Key Research Resources and Initiatives](#)

Consortia (EGRP Facilitated and Funded):

[Consortia Home](#)

[Assistance Available for Consortia](#)

[Consortia Task Initiation Request Form](#) (PDF - 132kb)

Tables of All EGRP-supported Consortia

[Alphabetical](#)

[Categorical](#)

[EGRP Consortia Grants Portfolio](#)

This page links to some files in [Portable Document Format \(PDF\)](#).

EGRP-Supported Epidemiology Consortia

The Epidemiology and Genetics Research Program (EGRP) is supporting a growing number of national and international research consortia focusing on intradisciplinary and translational research on common and rare cancers. Cohort, case-control, and familial studies are included. Support for emerging and established consortia is provided in many ways, such as through meeting support, grants, identification of partners with similar research interests, and advice on policies and processes that have proven successful with other consortia. [Assistance is available for all stages of consortia development.](#) Below is a list of EGRP-supported consortia, along with links to summary information about the consortia. The EGRP **Scientific Consortia Coordinator** is **Daniela Seminara, Ph.D., M.P.H.**; e-mail: seminard@mail.nih.gov.

Alphabetical list of Consortia ([Display List by Cancer Type](#))

- [African-American Breast Cancer Consortium](#) (ABC)
- [Asian Barrett's Consortium](#)
- [Asian Cohort Consortium](#)
- [Brain Tumor Epidemiology Consortium](#) (BTEC)
- [Breast and Prostate Cancer Cohort Consortium](#) (BPC3)
- [Breast Cancer Association Consortium](#) (BCAC)
- [Breast Cancer Consortium for Outcomes And Survival](#) (BC2OS)
- [Breast Cancer Family Registry](#) (B-CFR)
- [Cancer Genetics Network](#) (CGN)
- [Childhood Leukemia International Consortium](#) (CLIC)
- [Chronic Lymphocytic Leukemia Research Consortium](#) (CRC)
- [Cohort Consortium](#)
- [Colon Cancer Family Registry](#) (C-CFR)
- [Colorectal Cancer GWAS Consortium](#) (GECCO)
- [The Consortium of Investigators of Modifiers of *BRCA1/2*](#) (CIMBA)
- [Epidemiology of Endometrial Cancer Consortium](#) (E2C2)
- [Evidence-based Network for the Interpretation of Germline Mutant Alleles Consortium](#) (ENIGMA)
- [Genes, Environment and Melanoma](#) (GEM)
- [Genetic Epidemiology of Lung Cancer](#) (GELCC)
- [GLIOGENE](#)
- [International Barrett's and Esophageal Adenocarcinoma Consortium](#) (BEACON)
- [International Childhood Cancer Cohort Consortium](#) (I4C)
- [International Consortium of Bladder Cancer](#)
- [International Consortium on Lymphoma Epidemiologic Studies](#) (InterLymph)
- [International Consortium on Prostate Cancer Genetics](#) (ICPCG)
- [International Head and Neck Cancer Consortium](#) (INHANCE)
- [International Lung Cancer Consortium](#) (ILCCO)
- [International Multiple Myeloma Consortium](#) (IMMC)
- [Latin American Cancer Epidemiology Consortium](#) (LACE)
- [Li-Fraumeni Exploration Consortium](#) (LiFE)
- [Melanoma Genetics Consortium](#) (GenoMEL)
- [Men of African Descent and Prostate Cancer](#) (MADCaP)
- [Molecular Epidemiology of Colorectal Cancer](#) (MECC)
- [Ovarian Cancer Association Consortium](#) (OCAC)
- [Ovarian Cancer Cohort Consortium](#)
- [Pacific Ovarian Cancer Research Consortium](#) (POCRC)
- [Pancreatic Cancer Case Control Consortium](#) (PAN4C)
- [Pancreatic Cancer Cohort Consortium](#)
- [Pancreatic Cancer Genetic Epidemiology Consortium](#) (PACGENE)
- [Pediatric Brain Tumor Consortium](#) (PBTC)
- [Post-Genome Wide Association Initiative](#)
- [Prevention and Observation of Surgical Endpoints and Modifiers of Cancer Risk in *BRCA1/2* Mutation Carriers](#) (PROSE-Modifiers Studies) (Collaborative Studies of *BRCA 1/2* Mutation Carriers)
- [Prostate Cancer Genetics Study](#) (CaP Genes)
- [Radiogenomics Consortium](#)
- [South Asian Pooling Cohort Consortium](#)
- [Women, Cancer and Radiation Exposure](#) (WECARE)



Cancer Control and Population Sciences

- Ovarian Cancer
- Pancreatic Cancer
- Prostate Cancer

EGRP-Supported Epidemiology Consortia - EGRP - Mozilla Firefox

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Cancer Control and Population Sciences

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Portfolio](#)

EGRP-Supported Epidemiology Consortia

Search:

GO

African-American Breast Cancer Consortium (ABC)

Lead Investigators:

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University of Southern Californiahaiman@usc.edu**Funmi Olopade, M.D.**

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2008***NIH Contacts: EGRP/NCI:**

Damali Martin, Ph.D., M.P.H.

martinda@mail.nih.gov

EGRP Support for Cohorts and Consortia

- Meetings and communication tools
- Identify investigators with similar research interests, and foster collaborations
- Advice investigators and consortia on most appropriate funding mechanism(s) (consortia liaisons and/or coordinator: Daniela Seminara Ph.D., M.P.H. seminard@mail.nih.gov; Telephone: 301-594-7347)
- Advice on policies and processes that have proven successful
- Some “core functions” through topic-related initiatives: [Cohort PAR](#)
- Biospecimen sharing (CFR)

Future Support for Consortia

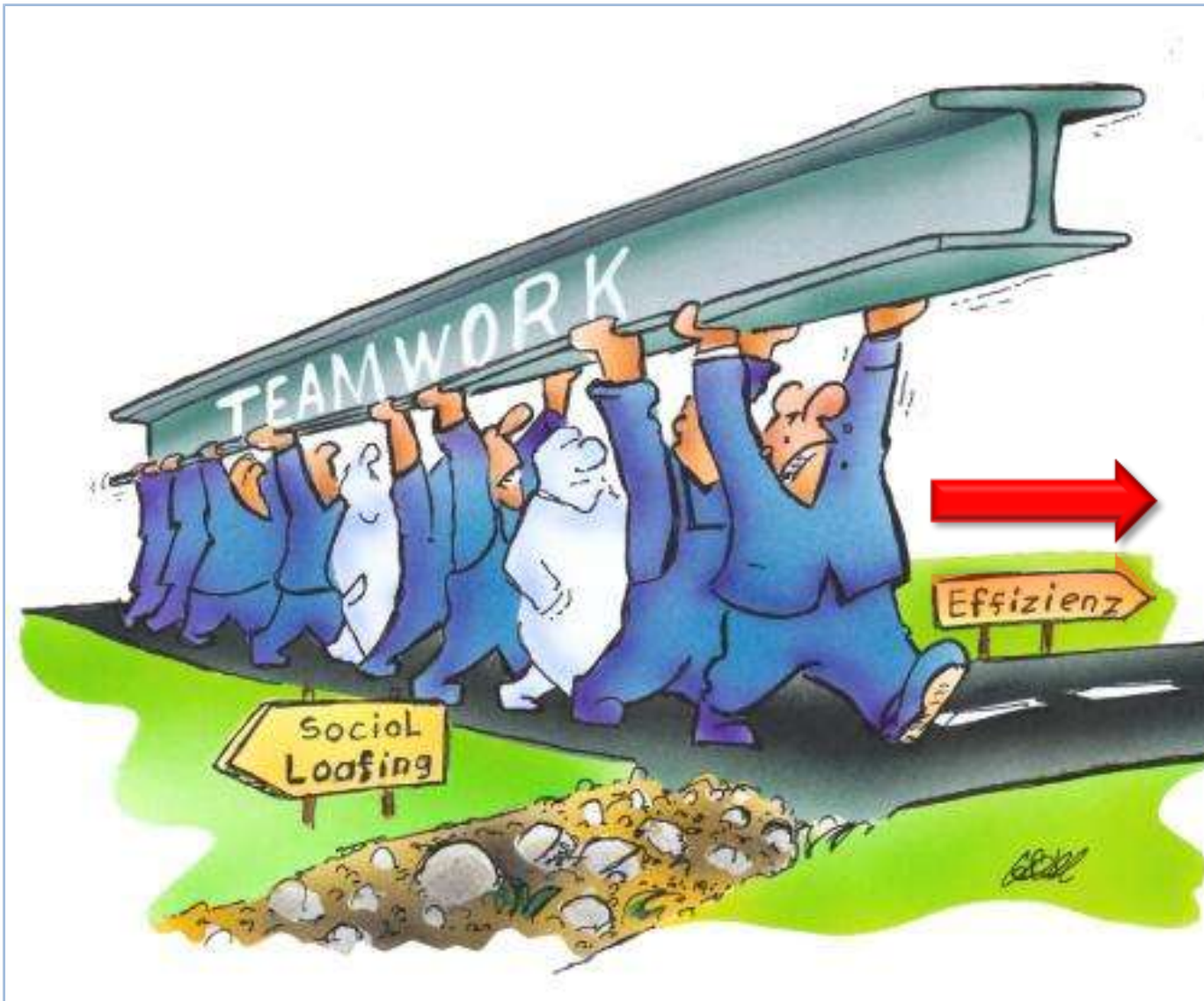
EGRP wants to continue the support of existing and emerging consortia that are:

- **Accelerating the pace of discovery**
- **Improving the quality and productivity**
- **Integrating multiple risk factors into prediction models**
- **Trying to fill the gaps in existing knowledge**
- **Facilitating the development of effective cancer control strategies**
- **Identifying ways to improve survival and quality of life**

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Jurassic Era Global Consortium



The real reason dinosaurs became extinct