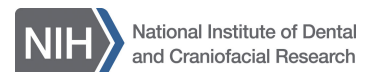


# The FaceBase Consortium

## NIDCR Update

Steve Scholnick, Ph.D.

TGRB/NIDCR/NIH



# *A reminder of why we're here*

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- Facilitate craniofacial research by making large, integrated datasets available to the wider scientific community
- Develop the tools and datasets needed for a comprehensive, systems-wide, understanding of the developmental processes that create the face during embryogenesis and how those processes go awry.

# FaceBase objectives

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(Now  Future)

Data Collection and Technology Development: “-omics” datasets on midface development at the molecular, cellular, tissue and organism levels deposited into FaceBase database



Data Coordination, Integration and Sharing: Comparative analysis, gene regulatory networks, modeling



Expansion of FaceBase to new anatomic areas



Translational and clinical applications for prevention & intervention

# *Expanding FaceBase beyond the RFAs*

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- Today's webcast
  - This is our first webcast so please let the viewers out in television land know what types of data you'll be producing.
- Additional funding opportunities for:
  - Using FaceBase data
  - Software development through BD2K

## *Related FOA: PAR-13-178*

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- NIDCR Small Research Grants for Secondary Analysis of FaceBase Data (R03)
  - Intended to encourage “outside” use of the data that you have produced and to encourage analyses that tie together data from different FaceBase projects
  - Larger than normal R03 budget
    - Direct costs of up to \$200,000 per year are allowed with a maximum direct cost of \$300,000 for the entire two year funding period
  - Not intended for support of data generation
- Recipients of these grants are expected to share the results of their analyses through FaceBase

# BD2K

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- Funding announcements at [bd2k.nih.gov](http://bd2k.nih.gov)
  - Including:
    - Software development and hardening
    - Development of analytical methods
    - Training
- The Data Discovery Index Coordination Consortium
  - <http://biocaddie.org>
- Software Discovery Index

# *Expanded NIH Genomic Data Sharing Policy*

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- NIH has expanded the scope of its “genomic” data sharing policy
  - All NIH-funded research generating large-scale human or non-human genomic data and the use of these data for subsequent research
    - Non-human data: Share through any widely used data repository
    - Human data: Share through an NIH-designated data repository
  - Examples of large-scale genomic data include, but are not limited to, GWAS, Single Nucleotide Polymorphism (SNP) arrays, and genome sequence, transcriptomic, epigenomic, and gene expression data
  - Applies to all funding mechanisms (grants, contracts, intramural support) with no minimum threshold for cost
    - Include genomic data sharing plan as part of application or proposal

# *Expanded NIH Genomic Data Sharing Policy*

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- **Smaller-Scale Genomic Research Projects**
  - Submissions may also be expected by the funding NIH Institute or Center (IC), based on:
    - State of the science
    - Programmatic priorities of the funding IC
    - Utility of the data for the research community
- **More info at <http://gds.nih.gov/index.html>**
  - See Supplemental Information for examples of large-scale genomic data
- **Contact Emily Harris for NIDCR specific info at [harrisel@nidcr.nih.gov](mailto:harrisel@nidcr.nih.gov)**



# *Introductions*

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- Susan Lowenthal – grants management specialist for your FaceBase awards
  - The person to talk to about award/budget issues
- The “Scientific Leadership Group”
  - Helps the Consortium and NIDCR assess progress, solve problems, etc.
  - Mike Cherry, Stanford
    - Large data integration projects
  - Melissa Haendel, OHSU
    - Data curation and integration
  - Max Muenke, NHGRI/NIH
    - Genetics/genomics of normal and abnormal human development

And now on to more interesting topics...