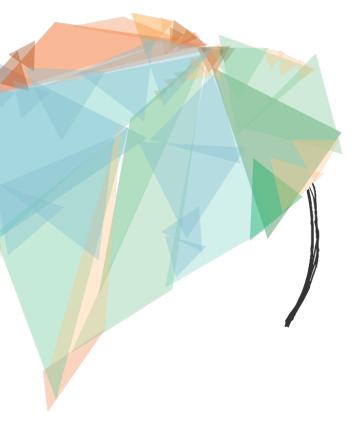




# Sharing displays and data from vision science research with Databrary

Rick O. Gilmore (*rick@databrary.org*), Karen E. Adolph, David S. Millman, Lisa Steiger, and Dylan A. Simon  
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## PROBLEM

The open sharing of data and workflows from scientific research has gained increasing attention in many fields and has become a priority for research funders. Databrary ([databrary.org](http://databrary.org)) is a digital data library specialized for storing and sharing video and research data and metadata. Vision scientists often present temporally varying visual displays to human or non-human animal observers and may collect gaze position, kinematic data, or other physiological recordings simultaneously. Some vision scientists collect identifiable video recordings of participants for use in off-line tagging or coding. Databrary may be especially well suited for these use cases because of the library's focus on uploading, organizing, storing, and sharing research data and metadata collected in the course of behavioral research. Databrary has developed policies that enable identifiable information to be shared with the permission of research participants.

## PRIVACY & SECURITY

Videos may contain identifiable information such as faces, voices, and images of places. Databrary ensures that identifiable information can be shared in two ways:

- **Restricting Access**

Only those with independent researcher status at an institution may apply for authorization. Applicants promise to uphold ethical principles and sign an access agreement co-signed by the institution.

- **Securing Permission to Share**

Identifiable data may only be shared if participants have given permission. The Databrary release template may be adapted for specific research protocols.

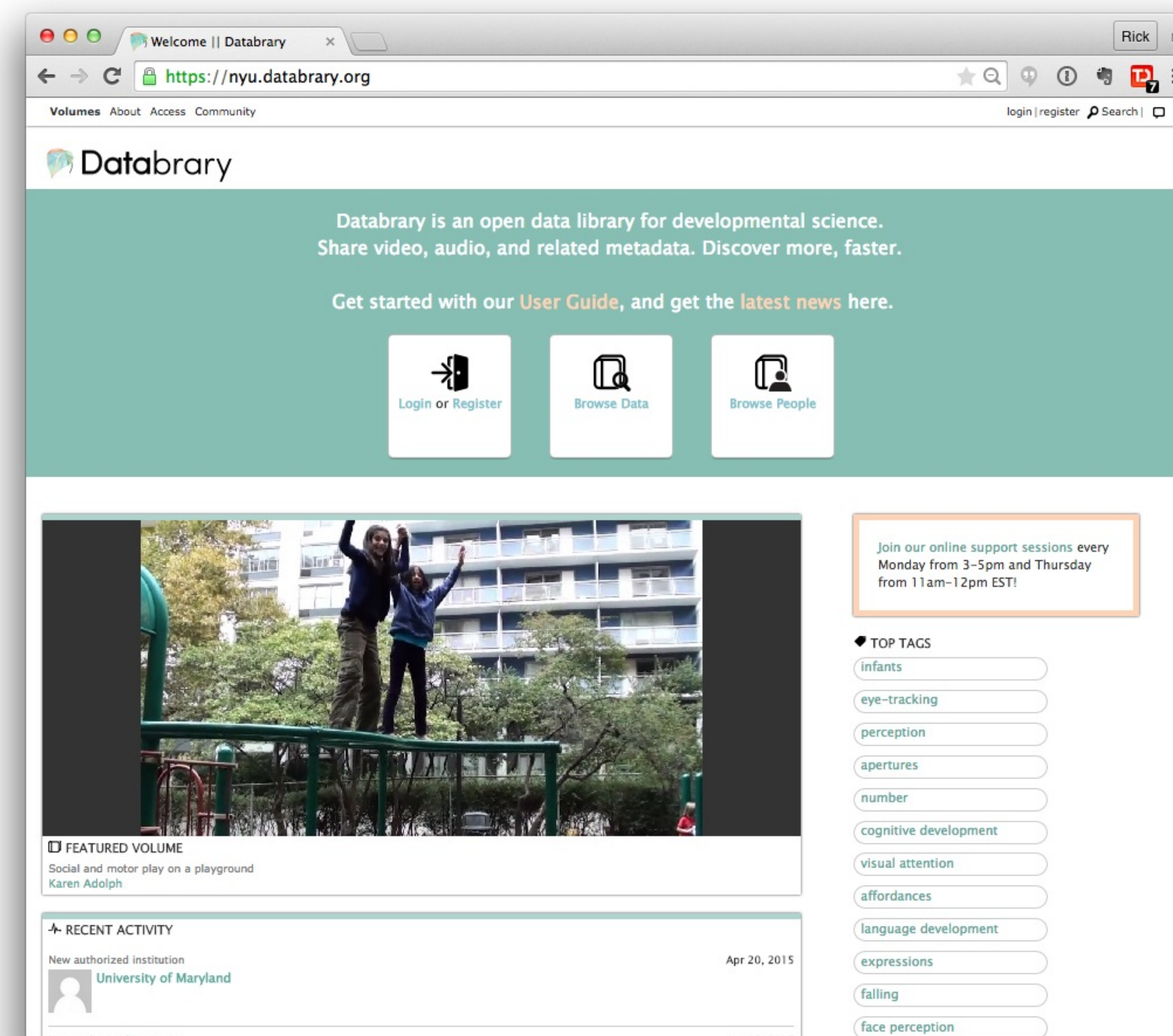
## TECHNOLOGY STACK

Databrary is built on a PostgreSQL database using the Scala Play framework and JavaScript. Data are preserved indefinitely in a secure data storage facility at NYU managed by central IT. There is no cost to use the system; a sustainability model is under development. All code is hosted on GitHub.

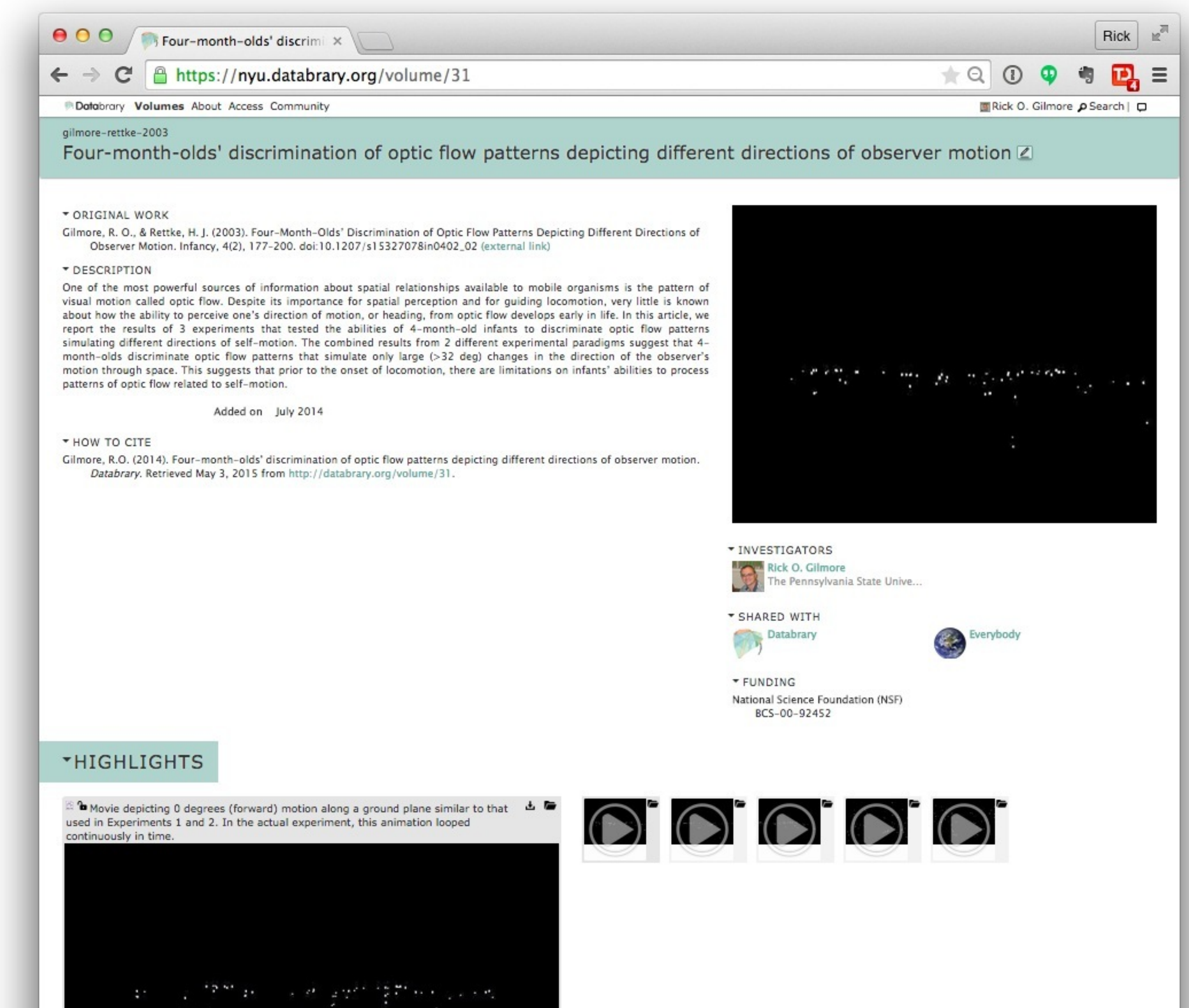
## ACKNOWLEDGMENTS

Databrary is based on work supported by the National Science Foundation under Grant No. BCS-1238599 and the Eunice Kennedy Shriver National Institute of Child Health and Human Development under Cooperative Agreement U01-HD-076595. Any opinions, findings, and conclusions or recommendations expressed in the material contributed here are those of the author(s) and do not necessarily reflect the views of the National Science Foundation or the Eunice Kennedy Shriver National Institute of Child Health and Human Development.

## DATABRARY.ORG



## VOLUME/DATASET PAGE



## SESSION-LEVEL DATA MANAGEMENT

session	test date	release	pilot	id	gender	participant	race	ethnicity	age	condition	group
2010-XX-XX	Q+	*	Included	1	Male	Asian		Not Hispanic or Latino	13.1 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*	Included	2	Male	Asian		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	3	Male	White		Not Hispanic or Latino	13.4 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*	Withdrawn/fussy/tired	4	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	5	Male	White		Not Hispanic or Latino	12.8 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*	Included	6	Female				12.9 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Did not meet inclusion criteria	7	Male	White		Hispanic or Latino	12.9 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	8	Male	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	9	Male	White		Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Did not meet inclusion criteria	10	Male	Asian		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	11	Male	Asian		Not Hispanic or Latino	13.1 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Procedural/experimenter error	12	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	13	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	14	Female	Asian		Not Hispanic or Latino	13.1 mos	Eye tracking	Crawler
2011-XX-XX	Q+	*	Did not meet inclusion criteria	15	Male	White		Not Hispanic or Latino	13.1 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	16	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	17	Male	White		Not Hispanic or Latino	13.3 mos	Eye tracking	Walker

## TIMELINE

