



(<http://www.ncats.nih.gov>)

Tox21 Data Challenge 2014

Final Subchallenge Leaderboard 🏆

Panel Winners 🏆

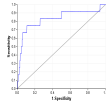
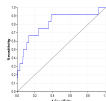
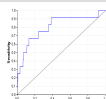
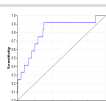
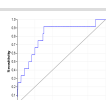
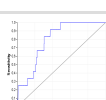
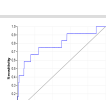
Grand Challenge: **Bioinf@JKU**

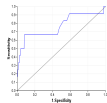
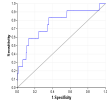
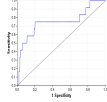
Nuclear Receptor Panel: **Bioinf@JKU-ensemble4**

Stress Response Panel: **Bioinf@JKU**


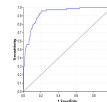
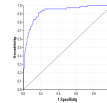
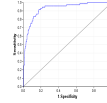
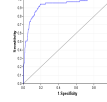
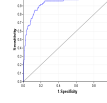
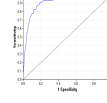
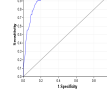
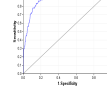
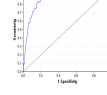
Best Balanced Accuracy: **AMAZIZ**

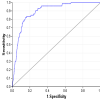
NR-AR (31/40 teams)

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
🏆 dmlab	1	0.82752613	0.611933798	
Bioinf@JKU-ensemble2	2	0.80799942	0.650116144	
Bioinf@JKU	3	0.80712834	0.614547038	
Bioinf@JKU-ensemble3	4	0.80466028	0.613675958	
Bioinf@JKU-ensemble4	5	0.80466028	0.609320557	
VIF Innovations and CODDES	6	0.79696574	0.681910569	
Bioinf@JKU-ensemble1	7	0.78694832	0.657084785	


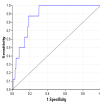
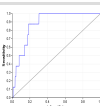
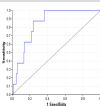
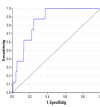
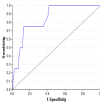
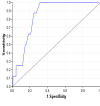
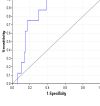
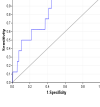
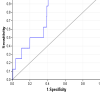
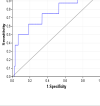
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
AMAZIZ	8	0.77003484	0.710801394	
RCC.ORG.RS	9	0.7630662	0.607578397	
kibutz	10	0.75021777	★0.735917538	

NR-AhR (35/40 teams)


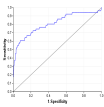
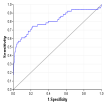
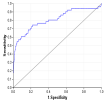
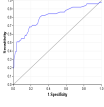
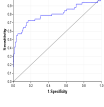
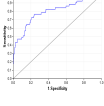
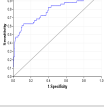
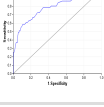
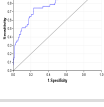
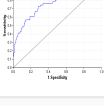
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 Bioinf@JKU	1	0.92788449	0.759406648	
Bioinf@JKU-ensemble4	2	0.92431316	0.81612714	
Bioinf@JKU-ensemble3	3	0.92431316	0.766255963	
Bioinf@JKU-ensemble2	4	0.92399429	0.830756868	
Bioinf@JKU-ensemble1	5	0.92372644	0.78181679	
AMAZIZ	6	0.9133568	0.847771741	
T	7	0.9125405	★0.852758858	
microsomes	8	0.90078059	0.698362287	
StructuralBionformatics@Charite	9	0.89625265	0.814991964	

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
filipsPL	10	0.89259203	0.815782761	


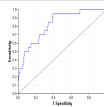
NR-AR-LBD (32/40 teams)

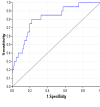
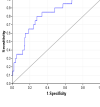
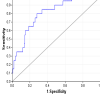
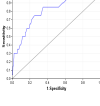
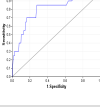
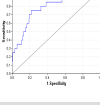
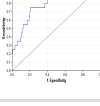
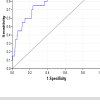
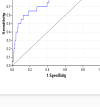
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 Bioinf@JKU-ensemble3	1	0.87913763	0.555531359	
Bioinf@JKU-ensemble4	2	0.87913763	0.550304878	
Bioinf@JKU	3	0.85017422	0.556402439	
Bioinf@JKU-ensemble2	4	0.84984756	0.549433798	
T	5	0.84832317	0.604094077	
AMAZIZ	6	0.8459277	0.593641115	
dmlab	7	0.81859756	0.485191638	
StructuralBionformatics@Charite	8	0.78887195	★0.650043554	
Bioinf@JKU-ensemble1	9	0.76361063	0.554660279	
ToxFit	10	0.7565331	0.49912892	

NR-ER (33/40 teams)


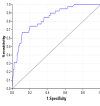
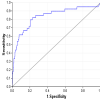
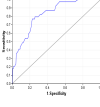
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 Bioinf@JKU-ensemble1	1	0.80976175	0.741049968	
Bioinf@JKU-ensemble4	2	0.80877082	★0.748956357	
Bioinf@JKU-ensemble3	3	0.80877082	0.748703352	
AMAZIZ	4	0.80626186	0.742061986	
Bioinf@JKU-ensemble2	5	0.79854522	0.746805819	
Bioinf@JKU	6	0.79270504	0.709487666	
microsomes	7	0.78511491	0.620999367	
T	8	0.78359688	0.717077799	
RCC.ORG.RS	9	0.7812355	0.686084756	
filipsPL	10	0.77113641	0.693991145	

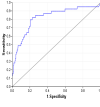
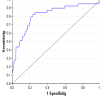
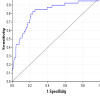
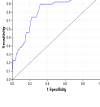
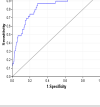
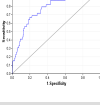
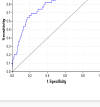
NR-ER-LBD (32/40 teams)

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 microsomes	1	0.82732759	0.55	


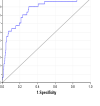
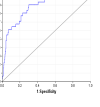
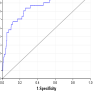
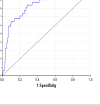
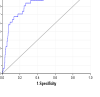
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
Bioinf@JKU	2	0.81439655	0.634482759	
Bioinf@JKU-ensemble4	3	0.80737069	0.626724138	
Bioinf@JKU-ensemble3	4	0.80737069	0.610344828	
AMAZIZ	5	0.8062931	0.676724138	
T	6	0.80508621	0.701724138	
Bioinf@JKU-ensemble2	7	0.80107759	0.625862069	
Bioinf@JKU-ensemble1	8	0.80043103	0.634482759	
StructuralBionformatics@Charite	9	0.79788793	★0.714655172	
frozenarm	10	0.79047414	0.523275862	

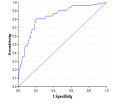
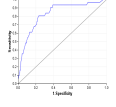
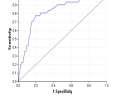
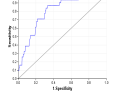
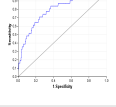
NR-aromatase (32/40 teams)

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 dmlab	1	0.83773793	0.562057574	
Bioinf@JKU	2	0.83380525	0.631823187	
T	3	0.82462902	0.726993865	


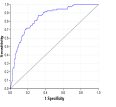
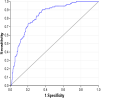
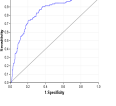
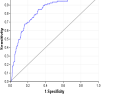
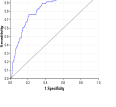
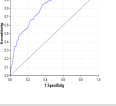
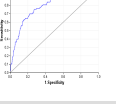
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
Bioinf@JKU-ensemble2	4	0.82119448	0.649284254	
Bioinf@JKU-ensemble4	5	0.81914949	0.621598238	
Bioinf@JKU-ensemble3	6	0.81914949	0.616957684	
AMAZIZ	7	0.81873001	0.697734781	
Bioinf@JKU-ensemble1	8	0.81791726	0.604137172	
RCC.ORG.RS	9	0.79227623	0.729589429	
StructuralBionformatics@Charite	10	0.78071417	★0.73666824	

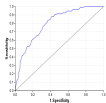
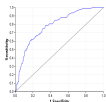
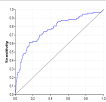
NR-PPAR-gamma (31/40 teams)

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 Bioinf@JKU-ensemble4	1	0.86085197	0.6447398	
Bioinf@JKU-ensemble3	2	0.86085197	0.599837024	
Bioinf@JKU-ensemble2	3	0.84913454	0.64299764	
Bioinf@JKU-ensemble1	4	0.84017084	0.564965719	
Bioinf@JKU	5	0.83929976	0.581094751	


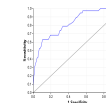
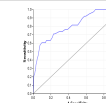
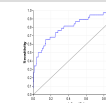
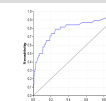
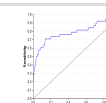
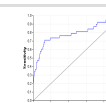
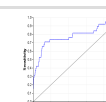
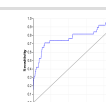
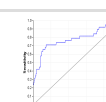
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
dmlab	6	0.83137574	0.547516017	
AMAZIZ	7	0.82994268	0.762953805	
T	8	0.82168147	★0.785180398	
frozenarm	9	0.80299539	0.532258065	
ToxFit	10	0.79127796	0.548387097	

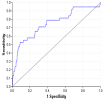
SR-ARE (33/40 teams)

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 Bioinf@JKU	1	0.8399083	0.677209887	
Bioinf@JKU-ensemble4	2	0.83175069	0.715717079	
Bioinf@JKU-ensemble3	3	0.83175069	0.650293255	
Bioinf@JKU-ensemble2	4	0.83036587	★0.728634269	
Bioinf@JKU-ensemble1	5	0.82746823	0.650293255	
AMAZIZ	6	0.80472932	0.71522832	
microsomes	7	0.80448494	0.605257646	


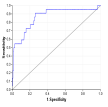
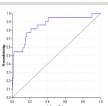
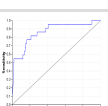
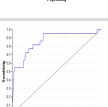
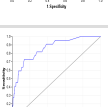
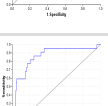
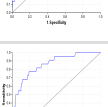
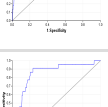
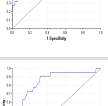
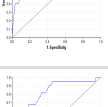
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
T	8	0.80134292	0.695887446	
NCI	9	0.78347996	0.711073872	
dmlab	10	0.76794442	0.519340874	

SR-ATAD5 (30/40 teams)


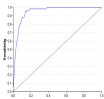
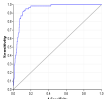
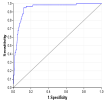
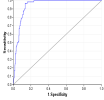
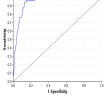
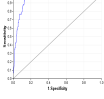
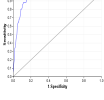
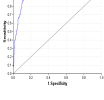
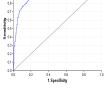
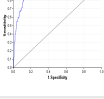
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 AMAZIZ	1	0.8281588	★0.741077866	
T	2	0.813604	0.721611391	
microsomes	3	0.81195926	0.53861752	
dmlab	4	0.80037851	0.612427902	
Bioinf@JKU	5	0.79262797	0.721431146	
Bioinf@JKU-ensemble2	6	0.78902307	0.707732516	
Bioinf@JKU-ensemble4	7	0.78298486	0.706876352	
Bioinf@JKU-ensemble3	8	0.78298486	0.681957462	
Bioinf@JKU-ensemble1	9	0.77723955	0.667087239	

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
StructuralBionformatics@Charite	10	0.75119412	0.690158616	


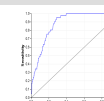
SR-HSE (30/40 teams)

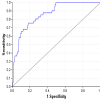
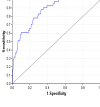
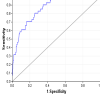
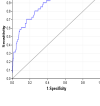
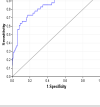
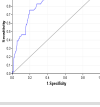
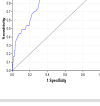
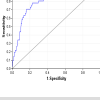
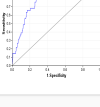
Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 Bioinf@JKU-ensemble1	1	0.86471861	0.739795918	
Bioinf@JKU-ensemble3	2	0.86290198	0.763373531	
Bioinf@JKU-ensemble4	3	0.86290198	0.75487013	
Bioinf@JKU-ensemble2	4	0.86066017	0.75487013	
NCI	5	0.8580705	0.771799629	
Bioinf@JKU	6	0.85764533	0.596629561	
dmlab	7	0.85548083	0.563079777	
StructuralBionformatics@Charite	8	0.8516543	★0.798778602	
AMAZIZ	9	0.84230056	0.747990105	
T	10	0.81060606	0.729514533	

SR-MMP (32/40 teams)

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 AMAZIZ	1	0.95022429	★0.903571429	
dmlab	2	0.94584196	0.691770186	
Bioinf@JKU-ensemble2	3	0.94156315	0.833540373	
Bioinf@JKU	4	0.94052795	0.713664596	
Bioinf@JKU-ensemble4	5	0.93826777	0.823136646	
Bioinf@JKU-ensemble3	6	0.93826777	0.738664596	
T	7	0.936853	0.869202899	
Bioinf@JKU-ensemble1	8	0.93176329	0.74389234	
filipsPL	9	0.9284334	0.836024845	
RCC.ORG.RS	10	0.92016908	0.866252588	

SR-p53 (33/40 teams)

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
 dmlab	1	0.87991516	0.581018028	

Team Name	Rank	AUC-ROC	Balanced Accuracy	Curve
Bioinf@JKU	2	0.8616755	0.662926829	
Bioinf@JKU-ensemble1	3	0.8571368	0.662926829	
Bioinf@JKU-ensemble4	4	0.85641569	0.708250265	
Bioinf@JKU-ensemble3	5	0.85641569	0.651601273	
Bioinf@JKU-ensemble2	6	0.85297985	0.747444327	
T	7	0.84680806	★0.765005302	
AMAZIZ	8	0.84349947	0.72407211	
StructuralBionformatics@Charite	9	0.83406151	0.764135737	
microsomes	10	0.82559915	0.522651113	

NCATS Home (<http://www.ncats.nih.gov>) | Privacy Notice (<http://www.nih.gov/about/privacy.htm>) | Disclaimer (<http://www.nih.gov/about/disclaim.htm>)

National Center for Advancing Translational Sciences (NCATS), 6701 Democracy Boulevard, Bethesda MD 20892-4874 ☎
301-435-0888