

MEN'S SINGLES SEEDING LIST (9/2018 WR)

Top 32 seeded players go directly to the Main Draw

No	Player	Association	WR Points
1	BOLL Timo	GER	15025
2	OVTCHAROV Dimitrij	GER	14375
3	GAUZY Simon	FRA	11558
4	FREITAS Marcos	POR	11364
5	FRANZISKA Patrick	GER	10902
6	GROTH Jonathan	DEN	10797
7	FALCK Mattias	SWE	10273
8	KARLSSON Kristian	SWE	9959
9	SAMSONOV Vladimir	BLR	9393
10	PITCHFORD Liam	ENG	9389
11	KOU Lei	UKR	9068
12	APOLONIA Tiago	POR	8781
13	HABESOHN Daniel	AUT	8348
14	WALTHER Ricardo	GER	8316
15	LEBESSON Emmanuel	FRA	8199
16	GACINA Andrej	CRO	8106
17	ROBLES Alvaro	ESP	7996
18	DUDA Benedikt	GER	7857
19	FLORE Tristan	FRA	7735
20	FEGERL Stefan	AUT	7699
21	GARDOS Robert	AUT	7693
22	TOKIC Bojan	SLO	7329
23	SKACHKOV Kirill	RUS	7143
24	JORGIC Darko	SLO	6905
25	IONESCU Ovidiu	ROU	6889
26	PISTEJ Lubomir	SVK	6837
27	DYJAS Jakub	POL	6832
28	PERSSON Jon	SWE	6752
29	NUYTINCK Cedric	BEL	6663
30	WANG Yang	SVK	6500
31	GIONIS Panagiotis	GRE	6234
32	SIRUCEK Pavel	CZE	6189
33	PUCAR Tomislav	CRO	6028
34	DRINKHALL Paul	ENG	5676
35	AKKUZU Can	FRA	5598
36	LAMBIET Florent	BEL	5348
37	JANCARIK Lubomir	CZE	5319
38	BOBOCICA Mihai	ITA	5304
39	SZOCS Hunor	ROU	5259
40	SHIBAEV Alexander	RUS	5190

41	OLAH Benedek	FIN	5125
42	STOYANOV Niagol	ITA	4939
43	WALKER Samuel	ENG	4781
44	ROBINOT Alexandre	FRA	4750
45	KHANIN Aliaksandr	BLR	4708
46	MAJOROS Bence	HUN	4611
47	GERALDO Joao	POR	4579
48	LIND Anders	DEN	4382
49	KOZUL Deni	SLO	4358
50	KONECNY Tomas	CZE	4202
51	LEVENKO Andreas	AUT	4182
52	ECSEKI Nandor	HUN	4172
53	DEVOS Robin	BEL	4146
54	CANTERO Jesus	ESP	3996
55	WEBER Lionel	SUI	3803
56	LAKATOS Tamas	HUN	3687
57	ALLEGRO Martin	BEL	3680
58	PLATONOV Pavel	BLR	3642
59	GUNDUZ Ibrahim	TUR	3470
60	TROMER Laurens	NED	3323
61	PRYSHCHEPA Yevhen	UKR	3202
62	TREGLER Tomas	CZE	3144
63	SZUDI Adam	HUN	2953
64	KOJIC Frane	CRO	2895
65	CARVALHO Diogo	POR	2577
66	OOSTWOUDE Ewout	NED	2550
67	SIDORENKO Vladimir	RUS	2550
68	PLETEA Cristian	ROU	2271
69	BADOWSKI Marek	POL	2269
70	MLADENOVIC Luka	LUX	2141
71	FRANCO Carlos	ESP	2072
72	GOMMERS Rajko	NED	2052
73	RASMUSSEN Tobias	DEN	1834
74	KARAKASEVIC Aleksandar	SRB	1805
75	ZHMUDENKO Yaroslav	UKR	1650
76	GOLOVANOV Stanislav	BUL	1593
77	MOREGARD Truls	SWE	1500
78	SGOUROPOULOS Ioannis	GRE	1475
79	NOVOTA Samuel	SVK	1425
80	YIGENLER Abdullah	TUR	1295
81	MUTTI Leonardo	ITA	1221
82	CHEN Diogo	POR	1214
83	MIKUTIS Tomas	LTU	1191
84	PUTUNTICA Andrei	MDA	1143
85	STANKEVICIUS Medardas	LTU	1043
86	ZATOWKA Patryk	POL	983

87 SHAMRUK Gleb	BLR	968
88 CABALLERO Carlos	ESP	941
89 VILCHEZ Miguel	ESP	939
90 ZIBRAT Jan	SLO	901
91 YEFIMOV Viktor	UKR	871
92 NAUMI Alex	FIN	835
93 ULUCAK Batuhan	TUR	750
94 GADIEV Vildan	RUS	693
95 MAZE Michael	DEN	680
96 LESIV Rimas	LTU	665
97 PETO Zsolt	SRB	630
98 VALUCH Alexander	SVK	612
99 ALEXANDROV Teodor	BUL	580
100 REINHOLDS Arturs	LAT	565
101 EVANS Callum	WAL	563
102 DALGLEISH Colin	SCO	460
103 RADOVIC Filip	MNE	441
104 HAUG Borgar	NOR	338
105 KODJABASHEV Denislav	BUL	305
106 ULFARSSON Magnus	ISL	273
107 CIPIN Filip	CRO	231
108 KOTOWSKI Tomasz	POL	154
109 ANSARI Mahammad Ibrahim	AZE	90
110 GIARDI Federico	SMR	90
111 KREANGA Kalinikos	GRE	57
112 HRIBAR Peter	SLO	54
113 MAHMUTI Kreshnik	KOS	10
114 STANOJKOVSKI Kristijan	MKD	4
115 HJARTARSON Magnus	ISL	3
116 ALIYEV Sanan	AZE	
117 DUBROVIN Veniamin	MDA	
118 GILLEN Alexander	IRL	
119 JENSEN Frodi	FRO	
120 JEVTOVIC Marko	SRB	
121 MLADENOVSKI Filip	MKD	
122 MONGIUSTI Mattias	SMR	
123 RAZOUK Yaser	SCO	
124 THORSTEINSSON Hallur	FRO	
125 WYKES Jordan	JEY	

WOMEN'S SINGLES SEEDING LIST (9/2018 WR)

Top 32 seeded players go directly to the Main Draw

No	Player	Association	WR Points
1	POLCANOVA Sofia	AUT	10618
2	LI Jie	NED	10406
3	SAMARA Elizabeta	ROU	10063
4	SZOCS Bernadette	ROU	9592
5	LI Qian	POL	9389
6	EKHOLM Matilda	SWE	9359
7	YU Fu ^	POR	8892
8	POTA Georgina	HUN	8410
9	HAN Ying ^	GER	7988
10	NI Xia Lian	LUX	7974
11	LIU Jia	AUT	7529
12	EERLAND Britt	NED	7342
13	MIKHAILOVA Polina	RUS	7330
14	WINTER Sabine	GER	7228
15	SOLJA Petrissa	GER	7129
16	MITTELHAM Nina	GER	6560
17	MATELOVA Hana	CZE	6242
18	PARTYKA Natalia	POL	6159
19	XIAO Maria	ESP	6070
20	GAPONOVA Ganna	UKR	5850
21	PAVLOVICH Viktoria	BLR	5795
22	LANG Kristin	GER	5720
23	BALAZOVA Barbora	SVK	5402
24	PERGEL Szandra	HUN	5380
25	DE NUTTE Sarah	LUX	5350
26	NOSKOVA Yana	RUS	5280
27	MORET Rachel	SUI	4921
28	DVORAK Galia	ESP	4826
29	GRZYBOWSKA-FRANC Katarzyna	POL	4785
30	MADARASZ Dora	HUN	4527
31	GALIC Alex	SLO	4490
32	VIVARELLI Debora	ITA	4461
33	PICCOLIN Giorgia	ITA	4386
34	BILENKO Tetyana	UKR	4290
35	SOLJA Amelie	AUT	4131
36	CECHOVA Dana	CZE	4096
37	MONTEIRO DODEAN Daniela	ROU	4030
38	HO Tin-Tin	ENG	4003
39	CAREY Charlotte	WAL	3943
40	BERGSTROM Linda	SWE	3937

41	TODOROVIC Andrea	SRB	3857
42	GASNIER Laura	FRA	3848
43	LOEUILLETTE Stephanie	FRA	3751
44	CHASSELIN Pauline	FRA	3698
45	TAILAKOVA Mariia	RUS	3695
46	JEGER Mateja	CRO	3583
47	ZHANG Xuan	ESP	3354
48	DIACONU Adina	ROU	3297
49	PESOTSKA Margaryta	UKR	3274
50	ADAMKOVA Karin	CZE	3261
51	KUKULKOVA Tatiana	SVK	3256
52	LUPULESKU Izabela	SRB	3026
53	LI Fen ^	SWE	2900
54	VERMAAS Kim	NED	2813
55	SHAO Jieni ^	POR	2787
56	TOLIOU Aikaterini	GRE	2785
57	MARCHETTI Nathalie	BEL	2765
58	PASKAUSKIENE Ruta	LTU	2690
59	DOVAL Ilka	NOR	2654
60	BRATEYKO Solomiya	UKR	2631
61	SREBRNJAK Dorina	CRO	2595
62	MISCHEK Karoline	AUT	2594
63	CIOBANU Irina	ROU	2426
64	LUNG Lisa	BEL	2347
65	BOGDANOVA Nadezhda	BLR	2345
66	BAJOR Natalia	POL	2161
67	HADZIAHMETOVIC Emina	BIH	2148
68	KIRICHENKO Anna	FIN	1906
69	OLIVEIRA Leila	POR	1871
70	GUISNEL Oceane	FRA	1748
71	YILMAZ Ozge	TUR	1736
72	YOVKOVA Maria	BUL	1720
73	NIKITCHANKA Alina	BLR	1662
74	STUCKYTE Egle	LTU	1590
75	ODOROVA Eva	SVK	1575
76	AVAMERI Airi	EST	1553
77	RAMIREZ Sara	ESP	1484
78	MALOBABIC Ivana	CRO	1417
79	DEGRAEF Margo	BEL	1396
80	KONSBRUCK Danielle	LUX	1382
81	KALLBERG Christina	SWE	1370
82	SHCHERBATYKH Valeria	RUS	1370
83	ALTINKAYA Sibel ^	TUR	1225
84	TSAPTSINOS Maria	ENG	1069
85	BALTUSHITE Marharyta	BLR	860
86	VOVK Aleksandra	SLO	839

87	CARLSEN Rebekka	NOR	824
88	STRAZAR Katarina	SLO	551
89	LAURENTI Jamila	ITA	526
90	PETEK Petra	CRO	496
91	MEYER Sarah	LUX	489
92	KOLISH Anastasia	RUS	447
93	TOFANT Ana	SLO	412
94	SURJAN Sabina	SRB	398
95	IMANOVA Maryam	AZE	345
96	RILISKYTE Kornelija	LTU	340
97	EMINOVA Bilura	AZE	255
98	KAHRAMAN Betul Nur	TUR	250
99	JIBRIC Ecaterina	MDA	150
100	KUCEROVA Aneta	CZE	38
101	DJURHUUS Solja	FRO	
102	ELLIOTT Lucy	SCO	
103	FERNANDEZ Alba	ESP	
104	JENSEN Durita	FRO	
105	MAJEROVA Viktorija	LAT	
106	PLAISTOW Rebecca	SCO	
107	SILVA Celia ^^	POR	
108	UCE Amelia	MKD	

MEN'S DOUBLES SEEDING LIST

Top 16 seeded pairs go directly to the Main Draw

No	Player A	Association A	Player B	Association B
1	FRANZISKA Patrick	GER	GROTH Jonathan	DEN
2	FALCK Mattias	SWE	KARLSSON Kristian	SWE
3	FILUS Ruwen	GER	WALTHER Ricardo	GER
4	HABESOHN Daniel	AUT	GARDOS Robert	AUT
5	PITCHFORD Liam	ENG	DRINKHALL Paul	ENG
6	SAMSONOV Vladimir	BLR	PLATONOV Pavel	BLR
7	ROBLES Alvaro	ESP	IONESCU Ovidiu	ROU
8	GAUZY Simon	FRA	LEBESSON Emmanuel	FRA
9	ECSEKI Nandor	HUN	SZUDI Adam	HUN
10	APOLONIA Tiago	POR	GERALDO Joao	POR
11	LAMBIET Florent	BEL	ALLEGRO Martin	BEL
12	WANG Yang	SVK	GIONIS Panagiotis	GRE
13	SKACHKOV Kirill	RUS	SHIBAEV Alexander	RUS
14	BADOWSKI Marek	POL	ZATOWKA Patryk	POL
15	TOKIC Bojan	SLO	JORGIC Darko	SLO
16	ROBINOT Alexandre	FRA	SEYFRIED Joe	FRA
17	GUNDUZ Ibrahim	TUR	YIGENLER Abdullah	TUR
18	MAJOROS Bence	HUN	LIND Anders	DEN
19	SIRUCEK Pavel	CZE	TREGLER Tomas	CZE
20	JANCARIK Lubomir	CZE	REITSPIES David	CZE
21	OOSTWOUDER Ewout	NED	GOMMERS Rajko	NED
22	KOU Lei	UKR	YEFIMOV Viktor	UKR
23	OLAH Benedek	FIN	DEVOS Robin	BEL
24	SZOCS Hunor	ROU	LAKATOS Tamas	HUN
25	PUCAR Tomislav	CRO	KOJIC Frane	CRO
26	KHANIN Aliaksandr	BLR	LEVENKO Andreas	AUT
27	PISTEJ Lubomir	SVK	SGOUROPOULOS Ioannis	GRE
28	PERSSON Jon	SWE	MOREGARD Truls	SWE
29	STOYANOV Niagol	ITA	RECH DALDOSSO Marco	ITA
30	WALKER Samuel	ENG	RASMUSSEN Tobias	DEN
31	BOBOCICA Mihai	ITA	MUTTI Leonardo	ITA
32	CANTERO Jesus	ESP	KARAKASEVIC Aleksandar	SRB
33	KOZUL Deni	SLO	ZIBRAT Jan	SLO
34	PRYSHCHEPA Yevhen	UKR	ZHMUDENKO Yaroslav	UKR
35	WEBER Lionel	SUI	CIPIN Filip	CRO
36	CARVALHO Diogo	POR	CHEN Diogo	POR
37	SIDORENKO Vladimir	RUS	GADIEV Vildan	RUS
38	FRANCO Carlos	ESP	VILCHEZ Miguel	ESP
39	MLADENOVIC Luka	LUX	REINHOLDS Arturs	LAT
40	NOVOTA Samuel	SVK	VALUCH Alexander	SVK

41 STANKEVICIUS Medardas	LTU	LESIV Rimas	LTU
42 MIKUTIS Tomas	LTU	HAUG Borgar	NOR
43 NAUMI Alex	FIN	RADOVIC Filip	MNE
44 PUTUNTICA Andrei	MDA	DUBROVIN Veniamin	MDA
45 SHAMRUK Gleb	BLR	KOTOWSKI Tomasz	POL
46 ALEXANDROV Teodor	BUL	KODJABASHEV Denislav	BUL
47 PETO Zsolt	SRB	JEVTOVIC Marko	SRB
48 EVANS Callum	WAL	WYKES Jordan	JEY
49 DALGLEISH Colin	SCO	RAZOUK Yaser	SCO
50 ULFARSSON Magnus	ISL	HJARTARSON Magnus	ISL
51 ANSARI Mahammad Ibrahim	AZE	ALIYEV Sanan	AZE
52 GIARDI Federico	SMR	MONGIUSTI Mattias	SMR
53 STANOJKOVSKI Kristijan	MKD	MLADENOVSKI Filip	MKD
54 JENSEN Frodi	FRO	THORSTEINSSON Hallur	FRO

WOMEN'S DOUBLES SEEDING LIST

Top 16 seeded pairs go directly to the Main Draw

No	Player A	Association A	Player B	Association B
1	EKHOLM Matilda	SWE	POTA Georgina	HUN
2	SAMARA Elizabeta	ROU	SZOCS Bernadette	ROU
3	NI Xia Lian	LUX	DE NUTTE Sarah	LUX
4	MATELOVA Hana	CZE	BALAZOVA Barbora	SVK
5	LI Jie	NED	LI Qian	POL
6	PARTYKA Natalia	POL	GRZYBOWSKA-FRANC Katarzyna	POL
7	WINTER Sabine	GER	SOLJA Petrissa	GER
8	MIKHAILOVA Polina	RUS	PAVLOVICH Viktoria	BLR
9	PERGEL Szandra	HUN	MADARASZ Dora	HUN
10	POLCANOVA Sofia	AUT	NOSKOVA Yana	RUS
11	XIAO Maria	ESP	DVORAK Galia	ESP
12	MORET Rachel	SUI	GALIC Alex	SLO
13	MITTELHAM Nina	GER	LANG Kristin	GER
14	EERLAND Britt	NED	CECHOVA Dana	CZE
15	LIU Jia	AUT	SOLJA Amelie	AUT
16	LOEUILLETTE Stephanie	FRA	GUINNEL Oceane	FRA
17	YU Fu ^	POR	SHAO Jieni ^	POR
18	GASNIER Laura	FRA	ZARIF Audrey	FRA
19	LUNG Lisa	BEL	DEGRAEF Margo	BEL
20	ZHANG Xuan	ESP	RAMIREZ Sara	ESP
21	TAILAKOVA Mariia	RUS	KOLISH Anastasia	RUS
22	GAPONOVA Ganna	UKR	BILENKO Tetyana	UKR
23	HO Tin-Tin	ENG	CAREY Charlotte	WAL
24	VIVARELLI Debora	ITA	LAURENTI Jamila	ITA
25	JEGER Mateja	CRO	SREBRNJAK Dorina	CRO
26	TODOROVIC Andrea	SRB	BAJOR Natalia	POL
27	DIACONU Adina	ROU	CIOBANU Irina	ROU
28	BERGSTROM Linda	SWE	KALLBERG Christina	SWE
29	PICCOLIN Giorgia	ITA	COLANTONI Chiara	ITA
30	KUKULKOVA Tatiana	SVK	ODOROVA Eva	SVK
31	BRATEYKO Solomiya	UKR	NIKITCHANKA Alina	BLR
32	PASKAUSKIENE Ruta	LTU	STUCKYTE Egle	LTU
33	MISCHEK Karoline	AUT	AVAMERI Airi	EST
34	HADZIAHMETOVIC Emina	BIH	KIRICHENKO Anna	FIN
35	DOVAL Ilka	NOR	CARLSEN Rebekka	NOR
36	LUPULESKU Izabela	SRB	SURJAN Sabina	SRB
37	ADAMKOVA Karin	CZE	KUCEROVA Aneta	CZE
38	MARCHETTI Nathalie	BEL	TOFANT Ana	SLO
39	YILMAZ Ozge	TUR	ALTINKAYA Sibel ^	TUR
40	TOLIOU Aikaterini	GRE	JIBRIC Ecaterina	MDA

41	BOGDANOVA Nadezhda	BLR	BARAVOK Katsiaryna	BLR
42	MALOBABIC Ivana	CRO	PETEK Petra	CRO
43	KONSBRUCK Danielle	LUX	MEYER Sarah	LUX
44	OLIVEIRA Leila	POR	SILVA Celia ^^	POR
45	VOVK Aleksandra	SLO	STRAZAR Katarina	SLO
46	TSAPTSINOS Maria	ENG	KAHRAMAN Betul Nur	TUR
47	IMANOVA Maryam	AZE	EMINOVA Bilura	AZE
48	RILISKYTE Kornelija	LTU	VENCKUTE Vitalija	LTU
49	DJURHUUS Solja	FRO	JENSEN Durita	FRO
50	ELLIOTT Lucy	SCO	PLAISTOW Rebecca	SCO

MIXED DOUBLES SEEDING LIST

Top 16 seeded pairs go directly to the Main Draw

No	Player A	Association A	Player B	Association B
1	FALCK Mattias	SWE	EKHOLM Matilda	SWE
2	FILUS Ruwen	GER	HAN Ying ^	GER
3	ROBLES Alvaro	ESP	DVORAK Galia	ESP
4	FEGERL Stefan	AUT	POLCANOVA Sofia	AUT
5	IONESCU Ovidiu	ROU	SZOCS Bernadette	ROU
6	FREITAS Marcos	POR	YU Fu ^	POR
7	FRANZISKA Patrick	GER	SOLJA Petrissa	GER
8	PISTEJ Lubomir	SVK	BALAZOVA Barbora	SVK
9	KARAKASEVIC Aleksandar	SRB	PASKAUSKIENE Ruta	LTU
10	PITCHFORD Liam	ENG	HO Tin-Tin	ENG
11	MAJOROS Bence	HUN	POTA Georgina	HUN
12	CANTERO Jesus	ESP	XIAO Maria	ESP
13	DYJAS Jakub	POL	PARTYKA Natalia	POL
14	SHIBAEV Alexander	RUS	MIKHAILOVA Polina	RUS
15	NUYTINCK Cedric	BEL	LUNG Lisa	BEL
16	TROMER Laurens	NED	EERLAND Britt	NED
17	LEBESSON Emmanuel	FRA	CHASELIN Pauline	FRA
18	SZOCS Hunor	ROU	MONTEIRO DODEAN Daniela	ROU
19	SIRUCEK Pavel	CZE	MATELOVA Hana	CZE
20	JORGIC Darko	SLO	GALIC Alex	SLO
21	SKACHKOV Kirill	RUS	NOSKOVA Yana	RUS
22	MLADENOVIC Luka	LUX	NI Xia Lian	LUX
23	BOBOCICA Mihai	ITA	VIVARELLI Debora	ITA
24	DRINKHALL Paul	ENG	CAREY Charlotte	WAL
25	STOYANOV Niagol	ITA	PICCOLIN Giorgia	ITA
26	GIONIS Panagiotis	GRE	TOLIOU Aikaterini	GRE
27	WEBER Lionel	SUI	MORET Rachel	SUI
28	SZUDI Adam	HUN	PERGEL Szandra	HUN
29	WANG Yang	SVK	ODOROVA Eva	SVK
30	TREGLER Tomas	CZE	CECHOVA Dana	CZE
31	SGOUROPOULOS Ioannis	GRE	DE NUTTE Sarah	LUX
32	YEFIMOV Viktor	UKR	GAPONOVA Ganna	UKR
33	PLATONOV Pavel	BLR	BOGDANOVA Nadezhda	BLR
34	DEVOS Robin	BEL	DEGRAEF Margo	BEL
35	KHANIN Aliaksandr	BLR	BARAVOK Katsiaryna	BLR
36	GOMMERS Rajko	NED	VERMAAS Kim	NED
37	GUNDUZ Ibrahim	TUR	ALTINKAYA Sibel ^	TUR
38	PETO Zsolt	SRB	TODOROVIC Andrea	SRB
39	BADOWSKI Marek	POL	BAJOR Natalia	POL
40	ZHMUDENKO Yaroslav	UKR	BRATEYKO Solomiya	UKR

41 CHEN Diogo	POR	SHAO Jieni ^	POR
42 SEYFRIED Joe	FRA	GASNIER Laura	FRA
43 CIPIN Filip	CRO	JEGER Mateja	CRO
44 YIGENLER Abdullah	TUR	YILMAZ Ozge	TUR
45 HAUG Borgar	NOR	DOVAL Ilka	NOR
46 MOREGARD Truls	SWE	KALLBERG Christina	SWE
47 NAUMI Alex	FIN	KIRICHENKO Anna	FIN
48 ALEXANDROV Teodor	BUL	HADZIAHMETOVIC Emina	BIH
49 RADOVIC Filip	MNE	LUPULESKU Izabela	SRB
50 KODJABASHEV Denislav	BUL	YOVKOVA Maria	BUL
51 EVANS Callum	WAL	TSAPTSINOS Maria	ENG
52 VAINULA Vallot	EST	AVAMERI Airi	EST
53 PUTUNTICA Andrei	MDA	JIBRIC Ecaterina	MDA
54 HRIBAR Peter	SLO	VOVK Aleksandra	SLO
55 LESIV Rimas	LTU	VENCKUTE Vitalija	LTU
56 HJARTARSON Magnus	ISL	CARLSEN Rebekka	NOR
57 REINHOLDS Arturs	LAT	MAJEROVA Viktorija	LAT
58 DALGLEISH Colin	SCO	PLAISTOW Rebecca	SCO
59 ANSARI Mahammad Ibrahim	AZE	IMANOVA Maryam	AZE
60 ALIYEV Sanan	AZE	EMINOVA Bilura	AZE
61 STANOJKOVSKI Kristijan	MKD	UCE Amelia	MKD
62 THORSTEINSSON Hallur	FRO	DJURHUUS Solja	FRO
63 JENSEN Frodi	FRO	JENSEN Durita	FRO
64 RAZOUK Yaser	SCO	ELLIOTT Lucy	SCO